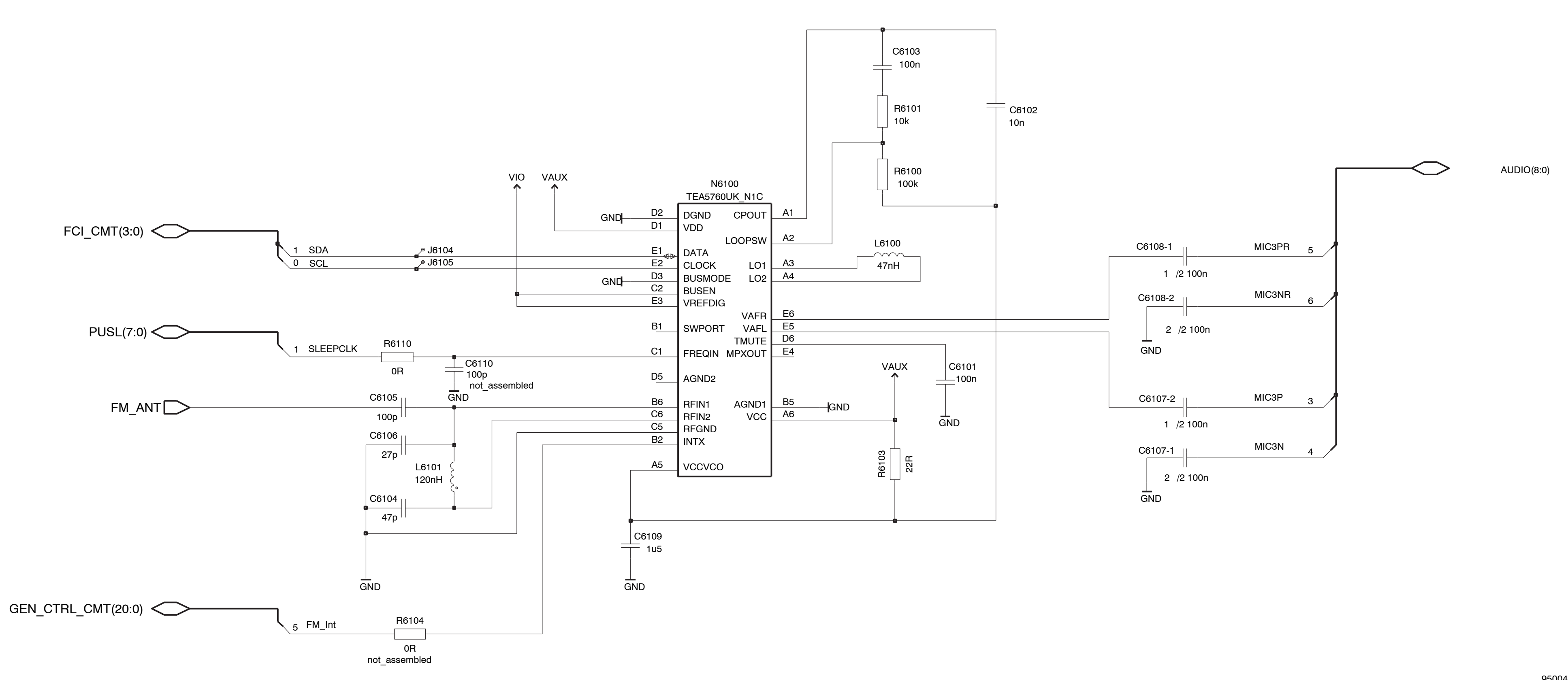
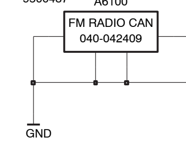
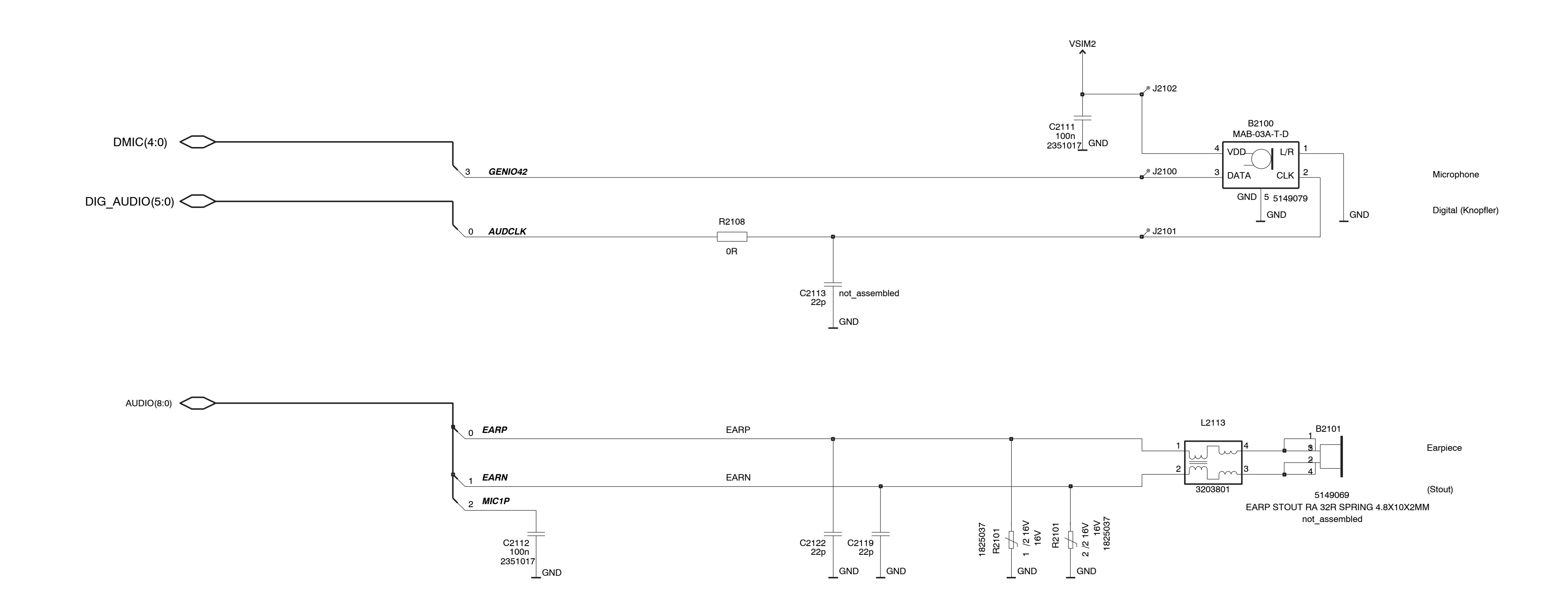


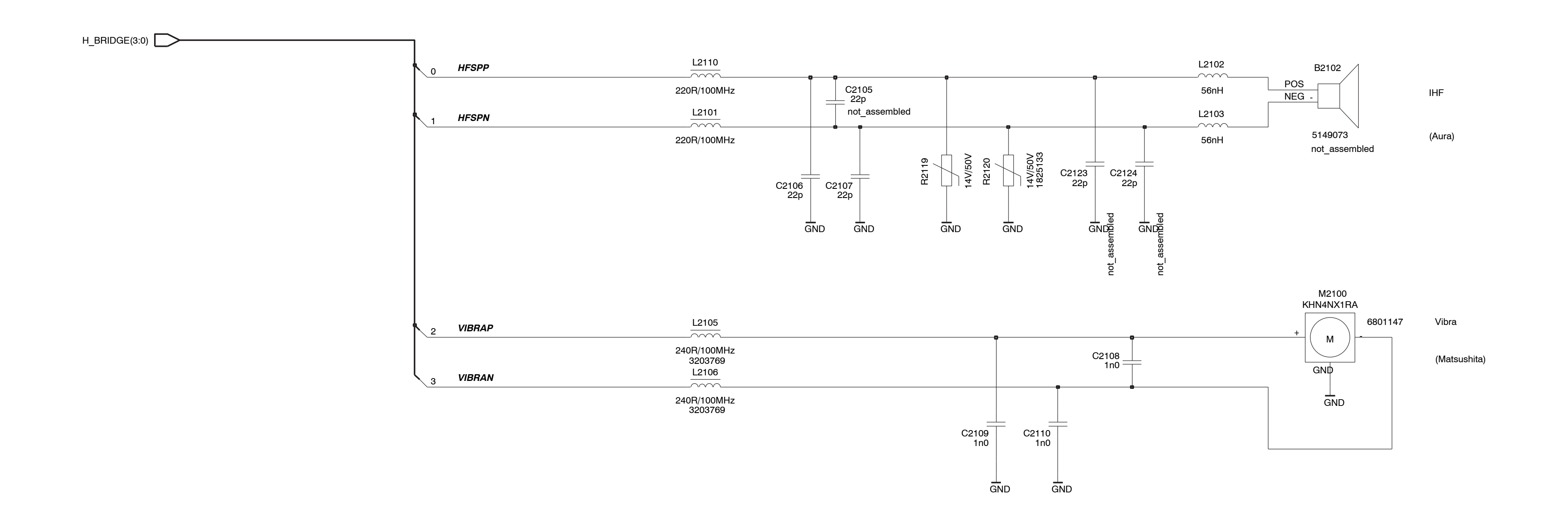
FCI_CMT(3:0)
PUSL(7:0)
FM_ANT
GEN_CTRL_CMT(20:0)
SDA
SCL
SLEEPCLK
FM_Int
J6104
J6105
R6110
0R
C6110
100p
not_assembled
C6105
100p
C6106
27p
L6101
120nH
C6104
47p
R6104
0R
not_assembled
VIO
VAUX
N6100
TEA5760UK_N1C
DGND
VDD
DATA
CLOCK
BUSMODE
BUSEN
VREFDIG
SWPORT
FREQIN
AGND2
RFIN1
RFIN2
RFGND
INTX
VCCVCO
CPOUT
LOOPSW
LO1
LO2
VAFR
VAFL
TMUTE
MPXOUT
AGND1
VCC
C6103
100n
R6101
10k
R6100
100k
C6102
10n
L6100
47nH
C6101
100n
R6103
22R
C6109
1u5
GND
AUDIO(8:0)
C6108-1
C6108-2
C6107-2
C6107-1
MIC3PR
MIC3NR
MIC3P
MIC3N



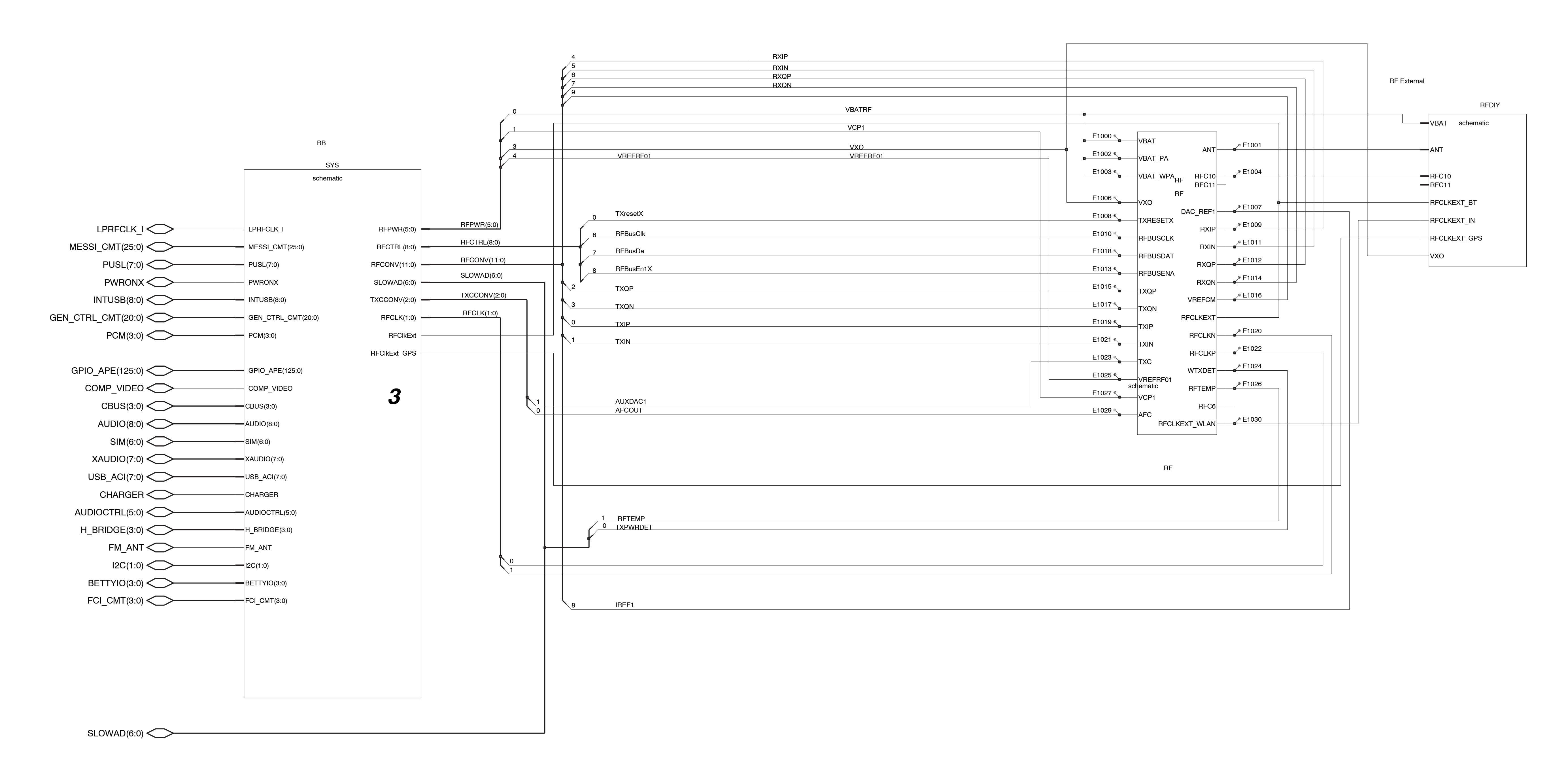
9500487
A6100
FM RADIO CAN
040-042409
GND



VSIM2
J2102
C2111
100n
2351017
GND
B2100
MAB-03A-T-D
VDD
L/R
DATA
CLK
GND
5149079
DMIC(4:0)
GENIO42
J2100
Microphone
Digital (Knopfler)
DIG_AUDIO(5:0)
AUDCLK
R2108
0R
J2101
C2113
22p
not_assembled
AUDIO(8:0)
EARP
EARN
MIC1P
L2113
3203801
B2101
Earpiece
(Stout)
5149069
EARP STOUT RA 32R SPRING 4.8X10X2MM
not_assembled
C2112
100n
2351017
C2122
22p
C2119
22p
R2101
1825037
16V



H_BRIDGE(3:0)
HFSPP
HFSPN
L2110
220R/100MHz
L2101
220R/100MHz
C2105
22p
not_assembled
L2102
56nH
L2103
56nH
B2102
POS
NEG
IHF
5149073
not_assembled
(Aura)
C2106
22p
C2107
22p
R2119
R2120
14V/50V
1825133
C2123
22p
C2124
22p
not_assembled
GND
M2100
KHN4NX1RA
6801147
Vibra
(Matsushita)
VIBRAP
VIBRAN
L2105
240R/100MHz
3203769
L2106
240R/100MHz
3203769
C2108
1n0
C2109
1n0
C2110
1n0
M

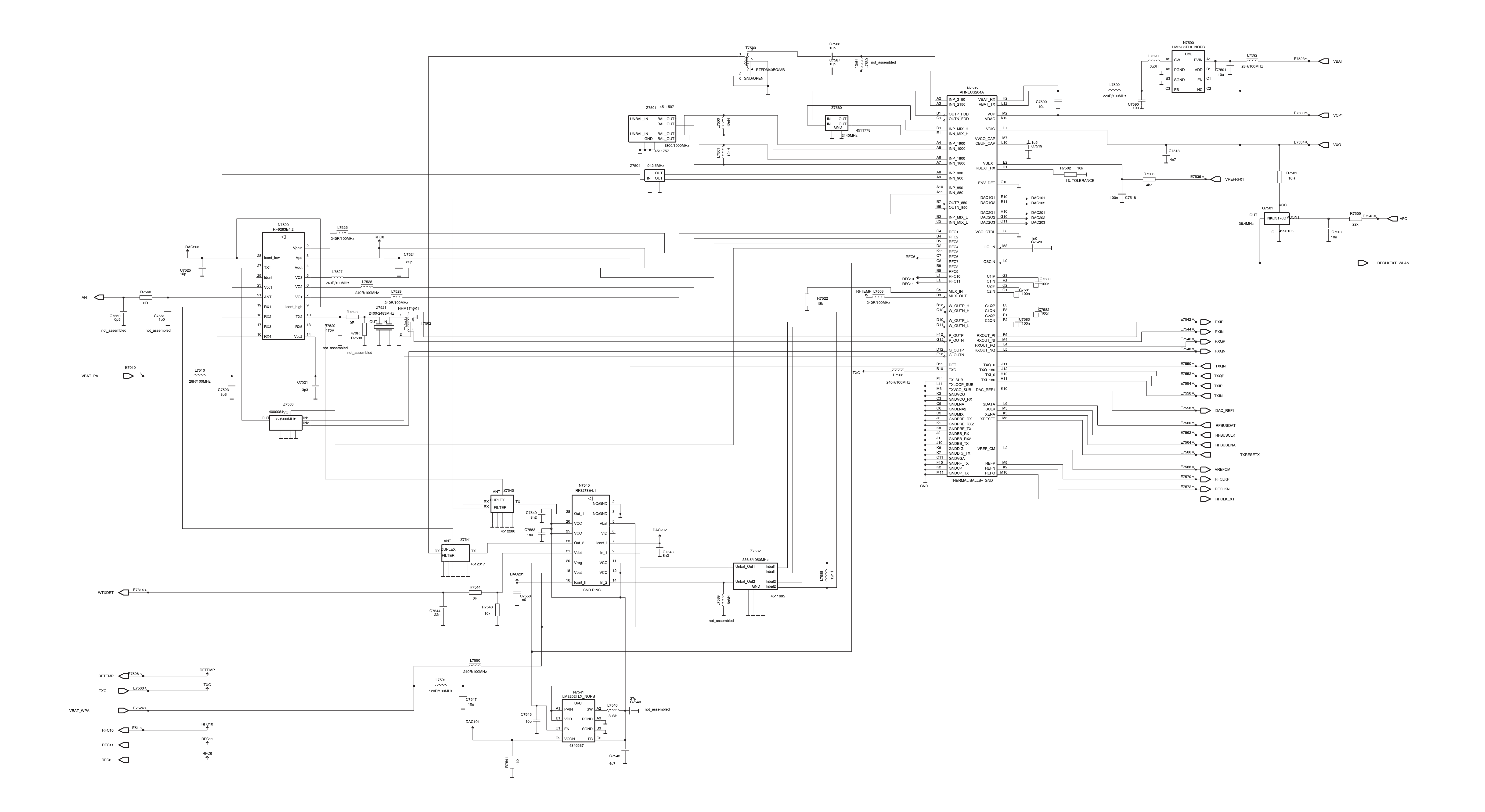


BB SHEET NAME	REF AREA
top level (2av)	1000-1100
cellular/cmt_if/camera	1500-1999
cellular/cmt_if/conn/sys_conn	2000-2059
cellular/cmt_if/conn/prod_test_pattern	2060-2069
cellular/cmt_if/conn/battery_conn	2070-2099
cellular/cmt_if/audio	2100-2199
cellular/cmt_engine/power/vilma	2200-2299
cellular/cmt_engine/power/betty	2300-2389
cellular/cmt_engine/power/coreps	2390-2399
cellular/cmt_if/ui	2500-2599

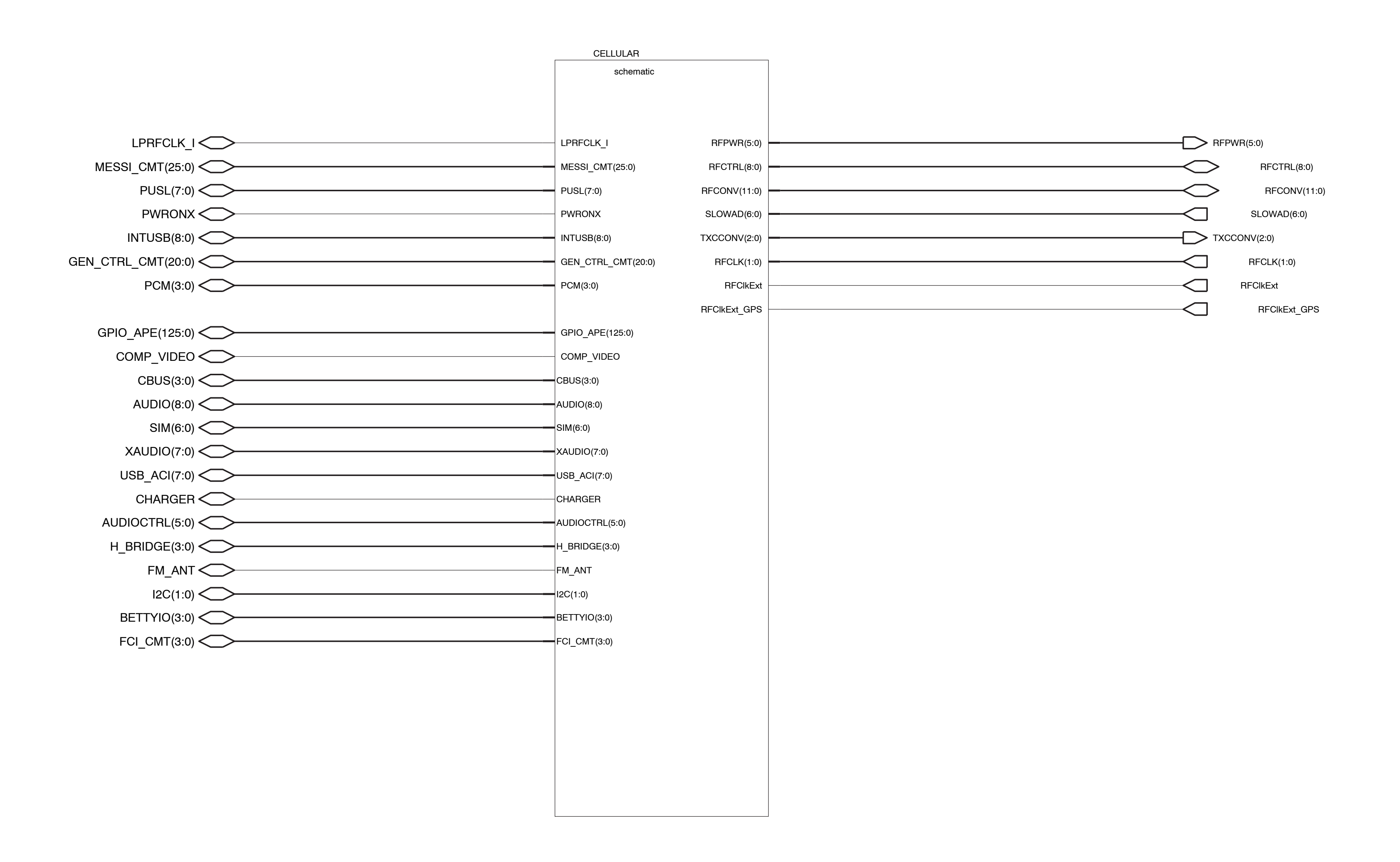
BB SHEET NAME	REF AREA
cellular/cmt_if/ui/display	2400-2449
cellular/cmt_if/ui/keyboard	2450-2499
cellular/cmt_if/irda	2600-2699
cellular/cmt_if/sim (not in use)	2700-2799
cellular/cmt_engine/digi/rap	2800-2849
cellular/cmt_engine/digi/usb_conn	2845-2849
cellular/cmt_engine/digi/genio_mux	2850-2899
cellular/cmt_engine/digi/mem_cmt	3000-3099
cellular/cmt_if/emu_rap	3100-3199
cellular/cmt_if/mmc (not in use)	3200-3299

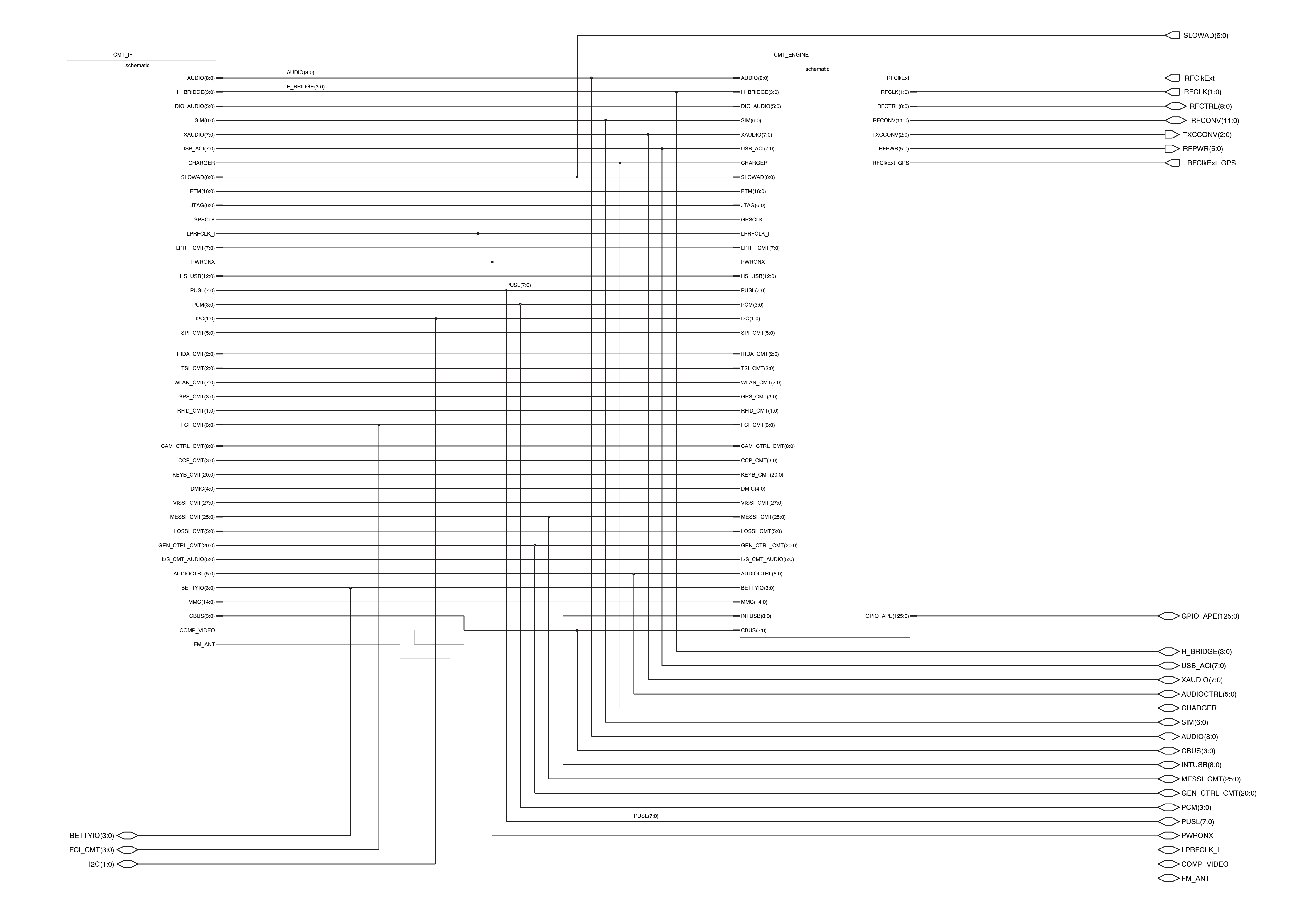
BB SHEET NAME	REF AREA
cellular/cmt_if/hs_usb	3300-3999
cellular/cmt_if/bt	6000-6099
cellular/cmt_if/fm	6100-6199
cellular/cmt_if/wlan	6300-6399

RF SHEET NAME	REF AREA
RF	7500-7699
RF External (DIY)	7400-7499

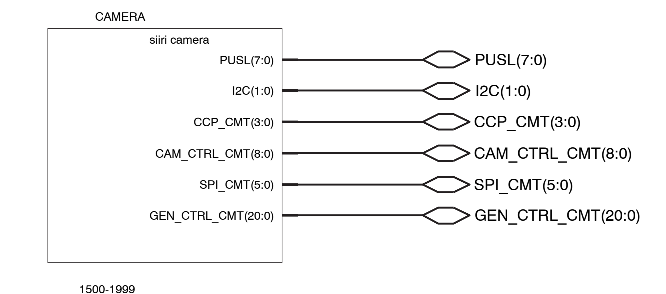


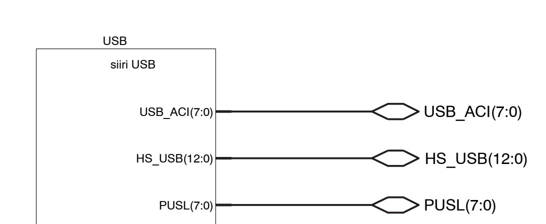
N7505
AHNEUS204A
N7520
RF9283E4.2
N7540
RF3278E4.1
N7590
LM3206TLX_NOPB
N7541
LM3202TLX_NOPB
Z7501
Z7503
Z7504
Z7540
Z7541
Z7580
Z7582
ANT
VBAT_PA
WTXDET
RFTEMP
TXC
VBAT_WPA
RFC10
RFC11
RFC8
VBAT
VCP1
VXD
VREFRF01
AFC
RFCLKEXT_WLAN
RXIP
RXIN
RXQP
RXQN
TXQN
TXQP
TXIP
TXIN
DAC_REF1
RFBUSDAT
RFBUSCLK
RFBUSENA
TXRESETX
VREFCM
RFCLKP
RFCLKN
RFCLKEXT
DAC101
DAC102
DAC201
DAC202
DAC203
THERMAL BALLS= GND
GND PINS=
not_assembled

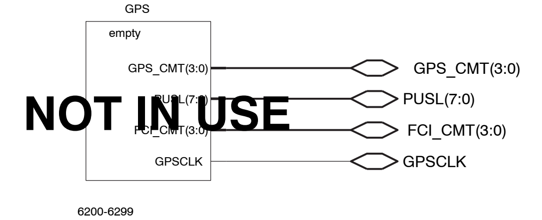

CELLULAR
schematic
LPRFCLK_I
MESSI_CMT(25:0)
PUSL(7:0)
PWRONX
INTUSB(8:0)
GEN_CTRL_CMT(20:0)
PCM(3:0)
GPIO_APE(125:0)
COMP_VIDEO
CBUS(3:0)
AUDIO(8:0)
SIM(6:0)
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
AUDIOCTRL(5:0)
H_BRIDGE(3:0)
FM_ANT
I2C(1:0)
BETTYIO(3:0)
FCI_CMT(3:0)
RFPWR(5:0)
RFCTRL(8:0)
RFCONV(11:0)
SLOWAD(6:0)
TXCCONV(2:0)
RFCLK(1:0)
RFClkExt
RFClkExt_GPS

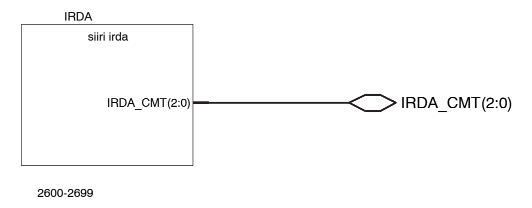


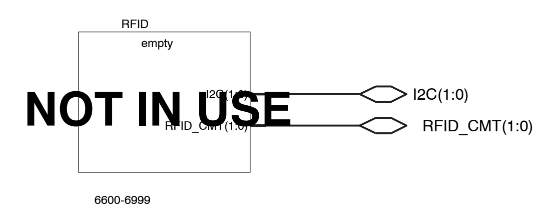
SLOWAD(6:0)
CMT_IF
schematic
AUDIO(8:0)
H_BRIDGE(3:0)
DIG_AUDIO(5:0)
SIM(6:0)
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
SLOWAD(6:0)
ETM(16:0)
JTAG(6:0)
GPSCLK
LPRFCLK_I
LPRF_CMT(7:0)
PWRONX
HS_USB(12:0)
PUSL(7:0)
PCM(3:0)
I2C(1:0)
SPI_CMT(5:0)
IRDA_CMT(2:0)
TSI_CMT(2:0)
WLAN_CMT(7:0)
GPS_CMT(3:0)
RFID_CMT(1:0)
FCI_CMT(3:0)
CAM_CTRL_CMT(8:0)
CCP_CMT(3:0)
KEYB_CMT(20:0)
DMIC(4:0)
VISSI_CMT(27:0)
MESSI_CMT(25:0)
LOSSI_CMT(5:0)
GEN_CTRL_CMT(20:0)
I2S_CMT_AUDIO(5:0)
AUDIOCTRL(5:0)
BETTYIO(3:0)
MMC(14:0)
CBUS(3:0)
COMP_VIDEO
FM_ANT
AUDIO(8:0)
H_BRIDGE(3:0)
PUSL(7:0)
CMT_ENGINE
schematic
AUDIO(8:0)
H_BRIDGE(3:0)
DIG_AUDIO(5:0)
SIM(6:0)
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
SLOWAD(6:0)
ETM(16:0)
JTAG(6:0)
GPSCLK
LPRFCLK_I
LPRF_CMT(7:0)
PWRONX
HS_USB(12:0)
PUSL(7:0)
PCM(3:0)
I2C(1:0)
SPI_CMT(5:0)
IRDA_CMT(2:0)
TSI_CMT(2:0)
WLAN_CMT(7:0)
GPS_CMT(3:0)
RFID_CMT(1:0)
FCI_CMT(3:0)
CAM_CTRL_CMT(8:0)
CCP_CMT(3:0)
KEYB_CMT(20:0)
DMIC(4:0)
VISSI_CMT(27:0)
MESSI_CMT(25:0)
LOSSI_CMT(5:0)
GEN_CTRL_CMT(20:0)
I2S_CMT_AUDIO(5:0)
AUDIOCTRL(5:0)
BETTYIO(3:0)
MMC(14:0)
INTUSB(8:0)
CBUS(3:0)
RFClkExt
RFCLK(1:0)
RFCTRL(8:0)
RFCONV(11:0)
TXCCONV(2:0)
RFPWR(5:0)
RFClkExt_GPS
GPIO_APE(125:0)
RFClkExt
RFCLK(1:0)
RFCTRL(8:0)
RFCONV(11:0)
TXCCONV(2:0)
RFPWR(5:0)
RFClkExt_GPS
GPIO_APE(125:0)
H_BRIDGE(3:0)
USB_ACI(7:0)
XAUDIO(7:0)
AUDIOCTRL(5:0)
CHARGER
SIM(6:0)
AUDIO(8:0)
CBUS(3:0)
INTUSB(8:0)
MESSI_CMT(25:0)
GEN_CTRL_CMT(20:0)
PCM(3:0)
PUSL(7:0)
PUSL(7:0)
PWRONX
LPRFCLK_I
COMP_VIDEO
FM_ANT
BETTYIO(3:0)
FCI_CMT(3:0)
I2C(1:0)

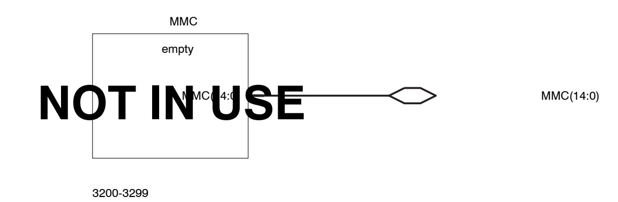












CONN
schematic
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
AUDIOCTRL(5:0)
SLOWAD(6:0)
FM_ANT
COMP_VIDEO
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
AUDIOCTRL(5:0)
SLOWAD(6:0)
FM_ANT
COMP_VIDEO
2000-2099

fm_radio3_0
fm_radio3_0
ignore
FCI_CMT(3:0)
PUSL(7:0)
FM_ANT
AUDIO(8:0)
GEN_CTRL_CMT(20:0)
FCI_CMT(3:0)
PUSL(7:0)
FM_ANT
AUDIO(8:0)
GEN_CTRL_CMT(20:0)
6100-6199

BLUETOOTH
schematic
PCM(3:0)
LPRF_CMT(7:0)
LPRFCLK_I
BT_ANT
PUSL(7:0)
WLAN_BT(6:0)
BT_TEST(15:0)
WLAN_CMT(7:0)
PCM(3:0)
LPRF_CMT(7:0)
LPRFCLK_I
PUSL(7:0)
WLAN_CMT(7:0)
6000-6099

BT_FM
empty
FM_ANT
LPRFCLK_I
LPRF_CMT(7:0)
PCM(3:0)
I2C(1:0)
CBUS(3:0)
AUDIO(8:0)
GEN_CTRL_CMT(20:0)
WLAN_BT(6:0)
BT_ANT
FM_ANT
LPRFCLK_I
LPRF_CMT(7:0)
PCM(3:0)
I2C(1:0)
PUSL(7:0)
CBUS(3:0)
AUDIO(8:0)
GEN_CTRL_CMT(20:0)
NOT IN USE
6000-6199

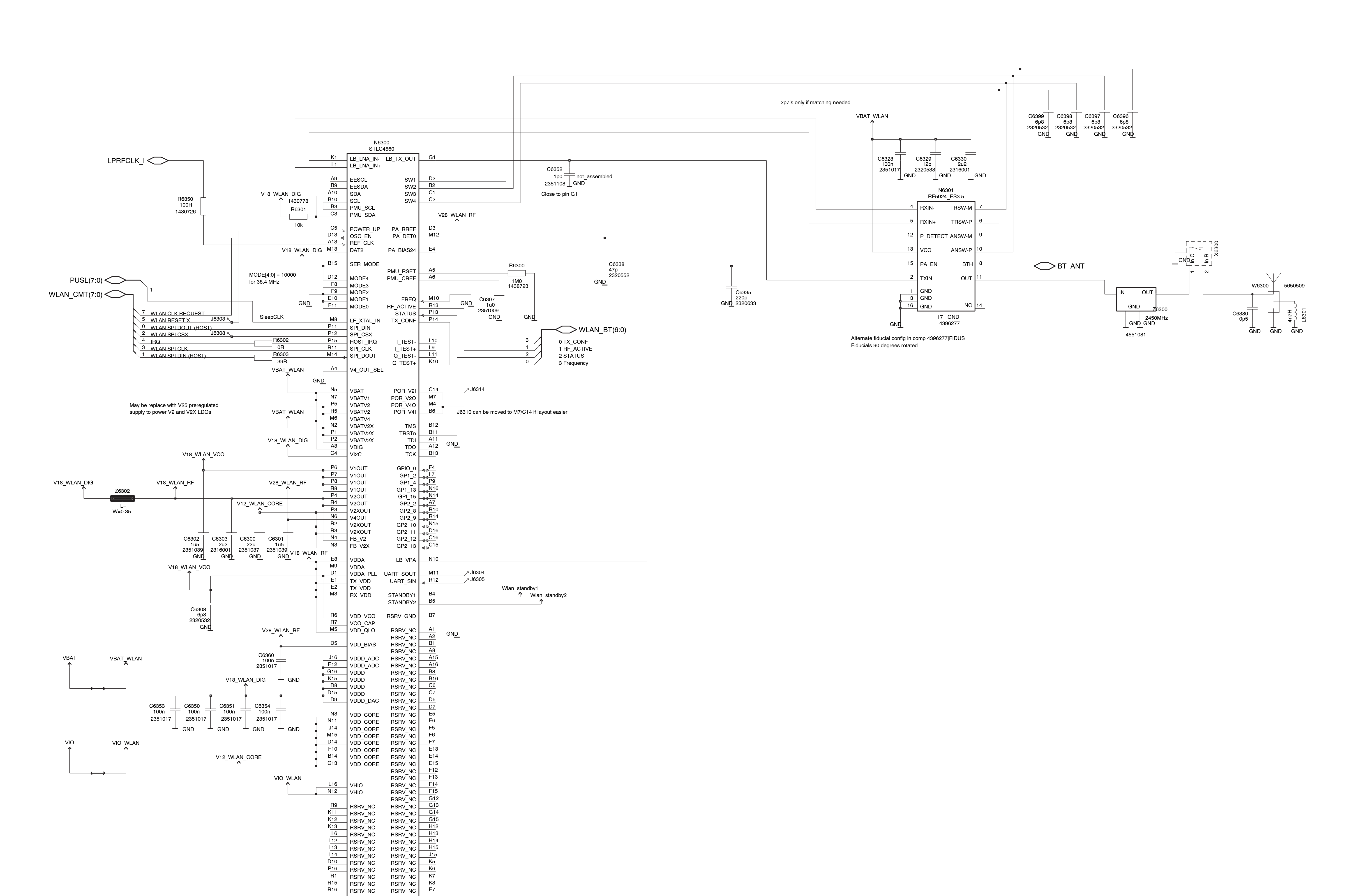
WLAN
gen2.5
PUSL(7:0)
WLAN_BT(6:0)
WLAN_CMT(7:0)
BT_ANT
LPRFCLK_I
PUSL(7:0)
WLAN_CMT(7:0)
LPRFCLK_I

AUDIO
siiri audio
I2S_CMT_AUDIO(5:0)
PUSL(7:0)
FCI_CMT(3:0)
DIG_AUDIO(5:0)
AUDIO(8:0)
H_BRIDGE(3:0)
DMIC(4:0)
I2C(1:0)
AUDIOCTRL(5:0)
XAUDIO(7:0)
I2S_CMT_AUDIO(5:0)
PUSL(7:0)
FCI_CMT(3:0)
DIG_AUDIO(5:0)
AUDIO(8:0)
H_BRIDGE(3:0)
DMIC(4:0)
I2C(1:0)
AUDIOCTRL(5:0)
XAUDIO(7:0)
2100-2199

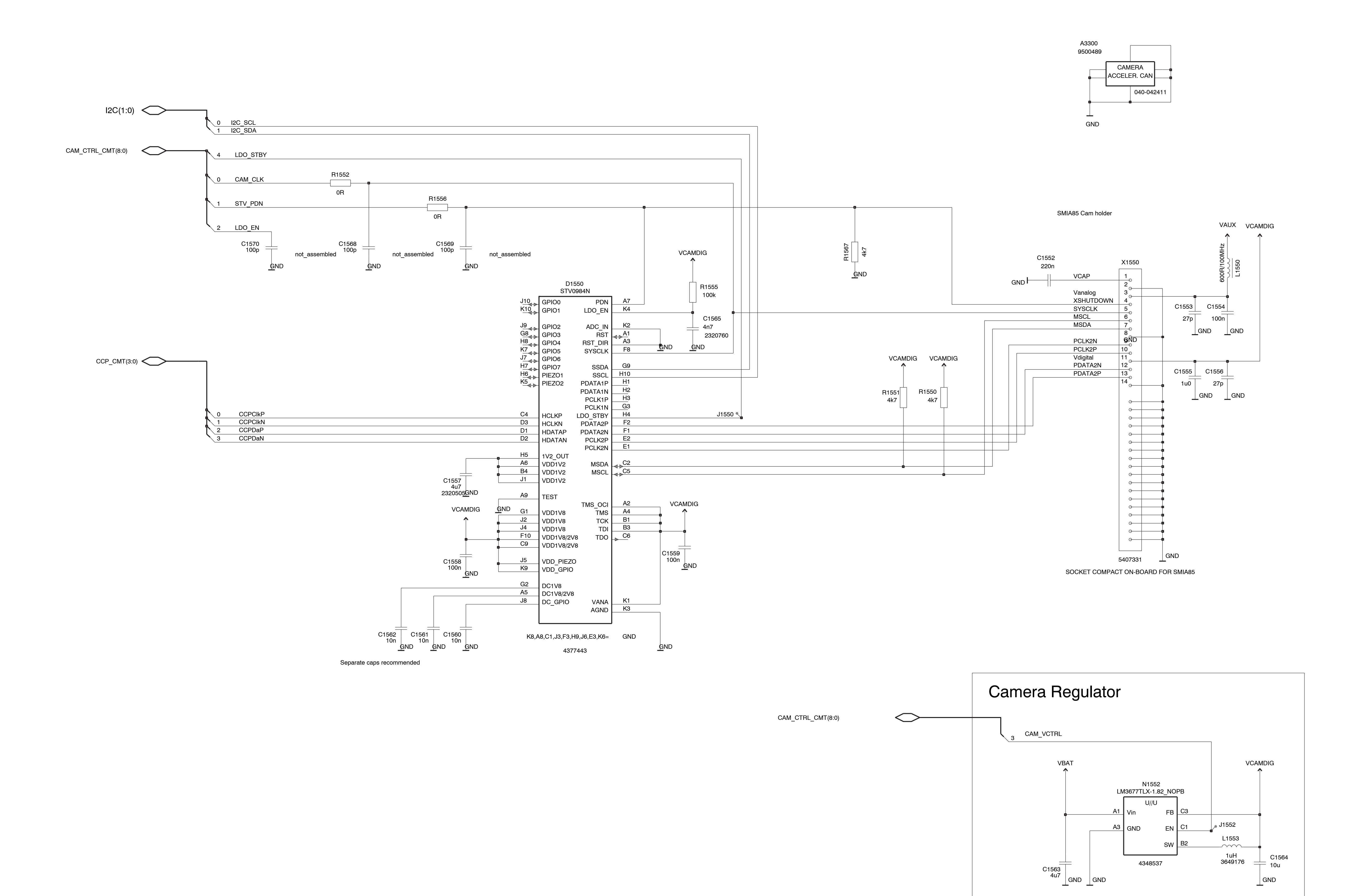
SIM
empty
SIM(6:0)
SIM(6:0)
NOT IN USE
2700-2799

EMU_RAP
siiri testpoints
GEN_CTRL_CMT(20:0)
JTAG(6:0)
ETM(16:0)
SPI_CMT(5:0)
MESSI_CMT(25:0)
KEYB_CMT(20:0)
PUSL(7:0)
USB_ACI(7:0)
SLOWAD(6:0)
PCM(3:0)
LPRF_CMT(7:0)
WLAN_CMT(7:0)
BT_TEST(15:0)
WLAN_BT(6:0)
GEN_CTRL_CMT(20:0)
JTAG(6:0)
ETM(16:0)
SPI_CMT(5:0)
MESSI_CMT(25:0)
KEYB_CMT(20:0)
PUSL(7:0)
USB_ACI(7:0)
SLOWAD(6:0)
PCM(3:0)
LPRF_CMT(7:0)
WLAN_CMT(7:0)
3100-3199

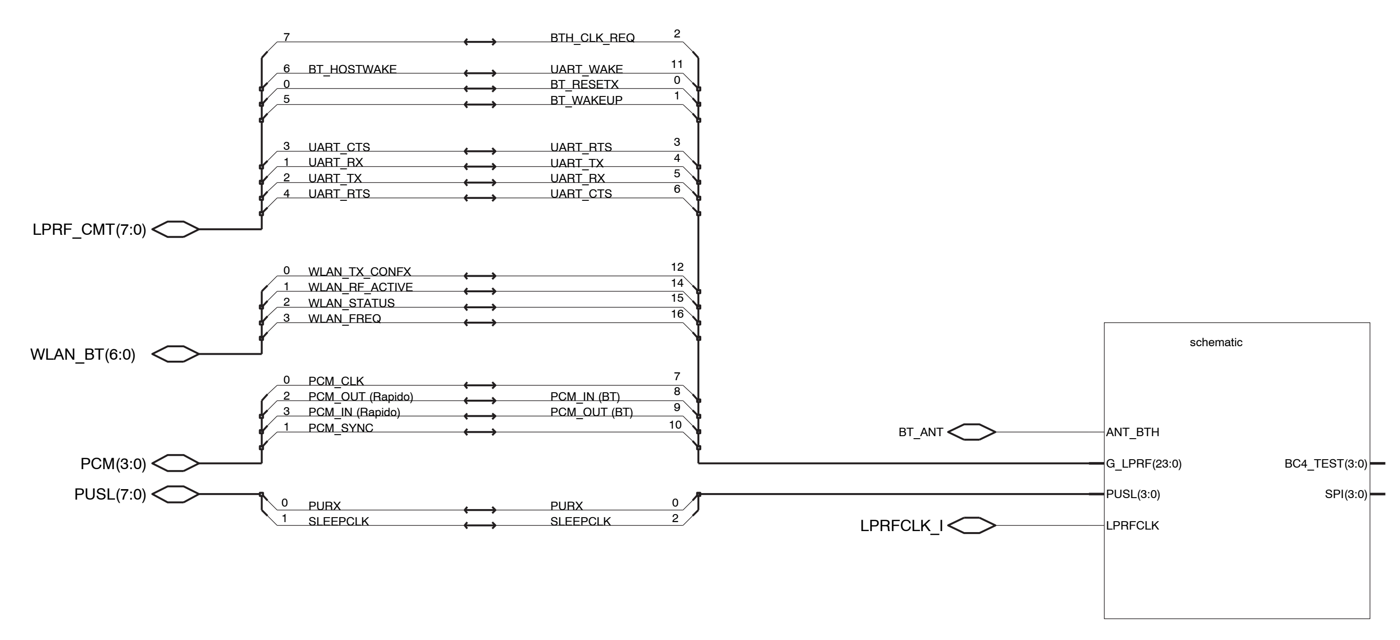
UI
Siiri UI
PWRONX
SLOWAD(6:0)
VISSI_CMT(27:0)
MESSI_CMT(25:0)
LOSSI_CMT(5:0)
KEYB_CMT(20:0)
SPI_CMT(5:0)
FCI_CMT(3:0)
TSI_CMT(2:0)
BETTYIO(3:0)
SIM(6:0)
MMC(14:0)
I2C(1:0)
PUSL(7:0)
GEN_CTRL_CMT(20:0)
COMP_VIDEO
PWRONX
SLOWAD(6:0)
VISSI_CMT(27:0)
MESSI_CMT(25:0)
LOSSI_CMT(5:0)
KEYB_CMT(20:0)
SPI_CMT(5:0)
FCI_CMT(3:0)
TSI_CMT(2:0)
BETTYIO(3:0)
SIM(6:0)
MMC(14:0)
I2C(1:0)
PUSL(7:0)
GEN_CTRL_CMT(20:0)
COMP_VIDEO



N6300
STLC4560
LPRFCLK_I
R6350
100R
1430726
PUSL(7:0)
WLAN_CMT(7:0)
7 WLAN CLK REQUEST
5 WLAN RESET X
0 WLAN SPI DOUT (HOST)
2 WLAN SPI CSX
4 IRQ
3 WLAN SPI CLK
1 WLAN SPI DIN (HOST)
J6303
J6308
R6302
0R
R6303
39R
SleepCLK
V18_WLAN_DIG
1430778
R6301
10k
MODE[4:0] = 10000
for 38.4 MHz
LB_LNA_IN-
LB_LNA_IN+
EESCL
EESDA
SDA
SCL
PMU_SCL
PMU_SDA
POWER_UP
OSC_EN
REF_CLK
DAT2
SER_MODE
MODE4
MODE3
MODE2
MODE1
MODE0
LF_XTAL_IN
SPI_DIN
SPI_CSX
HOST_IRQ
SPI_CLK
SPI_DOUT
V4_OUT_SEL
VBAT_WLAN
VBAT
VBATV1
VBATV2
VBATV4
VBATV2X
VDIG
VI2C
V18_WLAN_VCO
V1OUT
V2OUT
V2XOUT
V4OUT
FB_V2
FB_V2X
V18_WLAN_RF
V28_WLAN_RF
V12_WLAN_CORE
Z6302
L=
W=0.35
C6302 1u5 2351039
C6303 2u2 2316001
C6300 22u 2351037
C6301 1u5 2351039
VDDA
VDDA_PLL
TX_VDD
RX_VDD
VDD_VCO
VCO_CAP
VDD_QLO
C6308 6p8 2320532
VDD_BIAS
C6360 100n 2351017
VDDD_ADC
VDDD
VDDD_DAC
C6353 100n 2351017
C6350 100n 2351017
C6351 100n 2351017
C6354 100n 2351017
VDD_CORE
VIO_WLAN
VHIO
RSRV_NC
GND PINS= GND
4390002
VBAT
VIO
May be replace with V25 preregulated supply to power V2 and V2X LDOs
LB_TX_OUT
SW1
SW2
SW3
SW4
PA_RREF
PA_DET0
PA_BIAS24
PMU_RSET
PMU_CREF
R6300
1M0
1438723
C6307
1u0
2351009
FREQ
RF_ACTIVE
STATUS
TX_CONF
I_TEST-
I_TEST+
Q_TEST-
Q_TEST+
WLAN_BT(6:0)
0 TX_CONF
1 RF_ACTIVE
2 STATUS
3 Frequency
POR_V2I
POR_V2O
POR_V4O
POR_V4I
J6314
J6310 can be moved to M7/C14 if layout easier
TMS
TRSTn
TDI
TDO
TCK
GPIO_0
GP1_2
GP1_4
GP1_13
GPI_15
GP2_2
GP2_8
GP2_9
GP2_10
GP2_11
GP2_12
GP2_13
LB_VPA
UART_SOUT
UART_SIN
J6304
J6305
STANDBY1
STANDBY2
Wlan_standby1
Wlan_standby2
RSRV_GND
C6352
1p0
2351108
not_assembled
Close to pin G1
C6338
47p
2320552
C6335
220p
2320633
2p7's only if matching needed
C6399 6p8 2320532
C6398 6p8 2320532
C6397 6p8 2320532
C6396 6p8 2320532
C6328 100n 2351017
C6329 12p 2320538
C6330 2u2 2316001
N6301
RF5924_ES3.5
RXIN-
RXIN+
P_DETECT
VCC
PA_EN
TXIN
TRSW-M
TRSW-P
ANSW-M
ANSW-P
BTH
OUT
NC
17= GND
4396277
Alternate fiducial config in comp 4396277|FIDUS
Fiducials 90 degrees rotated
BT_ANT
IN
OUT
Z6300
2450MHz
4551081
X6300
W6300
5650509
C6380
0p5
4n7H
L6301
GND

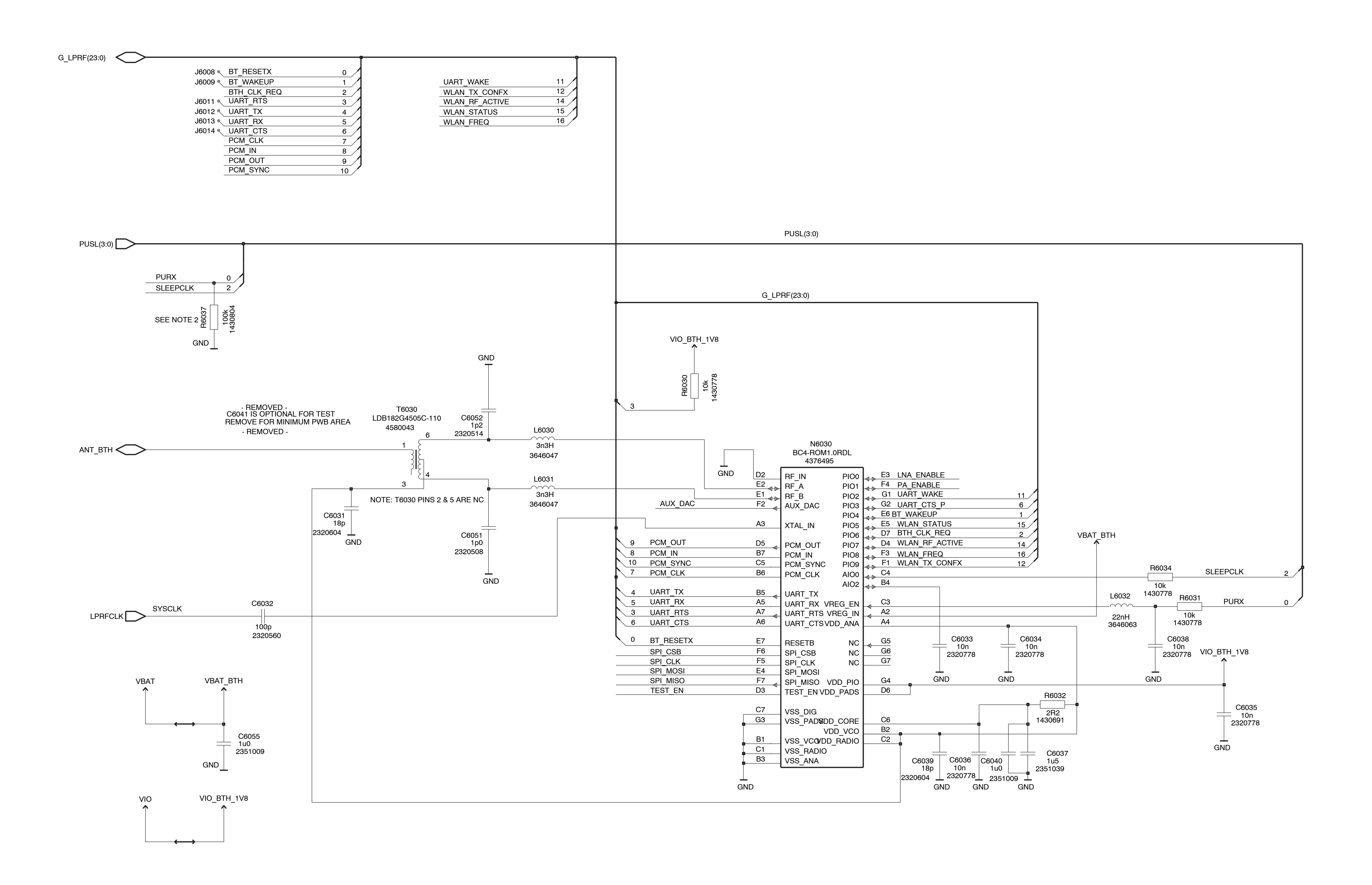


A3300
9500489
CAMERA
ACCELER. CAN
040-042411
GND
I2C(1:0)
I2C_SCL
I2C_SDA
CAM_CTRL_CMT(8:0)
LDO_STBY
CAM_CLK
R1552
0R
STV_PDN
R1556
0R
LDO_EN
C1570
100p
C1568
100p
C1569
100p
not_assembled
SMIA85 Cam holder
VAUX
VCAMDIG
R1567
4k7
C1552
220n
X1550
VCAP
Vanalog
XSHUTDOWN
SYSCLK
MSCL
MSDA
PCLK2N
PCLK2P
Vdigital
PDATA2N
PDATA2P
600R/100MHz
L1550
C1553
27p
C1554
100n
C1555
1u0
C1556
27p
D1550
STV0984N
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
PIEZO1
PIEZO2
PDN
LDO_EN
ADC_IN
RST
RST_DIR
SYSCLK
SSDA
SSCL
PDATA1P
PDATA1N
PCLK1P
PCLK1N
LDO_STBY
PDATA2P
PDATA2N
PCLK2P
PCLK2N
MSDA
MSCL
R1555
100k
C1565
4n7
2320760
CCP_CMT(3:0)
CCPClkP
CCPClkN
CCPDaP
CCPDaN
HCLKP
HCLKN
HDATAP
HDATAN
J1550
R1551
4k7
R1550
4k7
1V2_OUT
VDD1V2
TEST
VDD1V8
VDD1V8/2V8
VDD_PIEZO
VDD_GPIO
C1557
4u7
2320505
C1558
100n
TMS_OCI
TMS
TCK
TDI
TDO
C1559
100n
DC1V8
DC1V8/2V8
DC_GPIO
VANA
AGND
C1562
10n
C1561
10n
C1560
10n
K8,A8,C1,J3,F3,H9,J6,E3,K6= GND
4377443
Separate caps recommended
5407331
SOCKET COMPACT ON-BOARD FOR SMIA85
Camera Regulator
CAM_CTRL_CMT(8:0)
CAM_VCTRL
VBAT
VCAMDIG
N1552
LM3677TLX-1.82_NOPB
U//U
Vin
GND
FB
EN
SW
J1552
L1553
1uH
3649176
C1563
4u7
C1564
10u
4348537

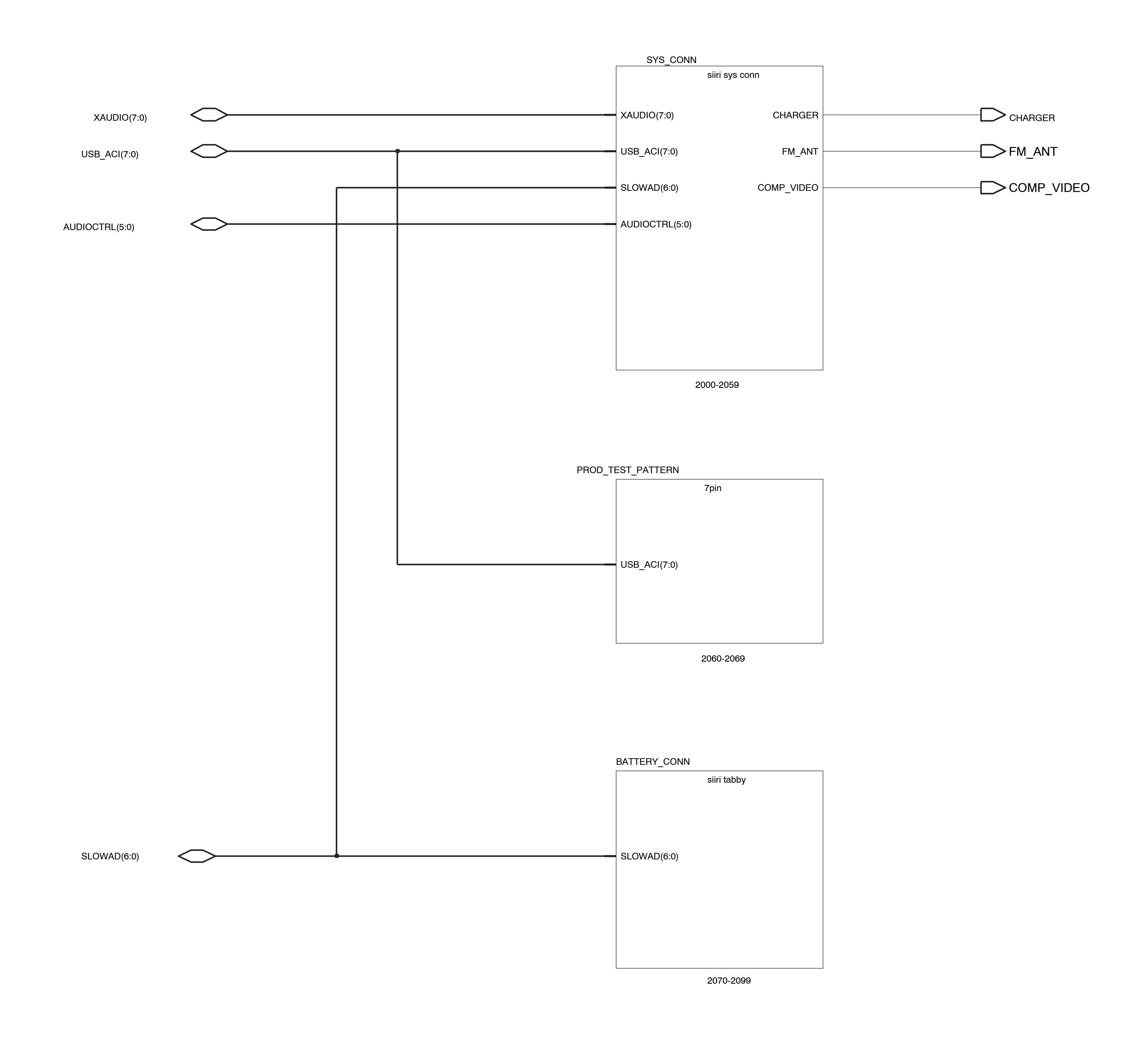


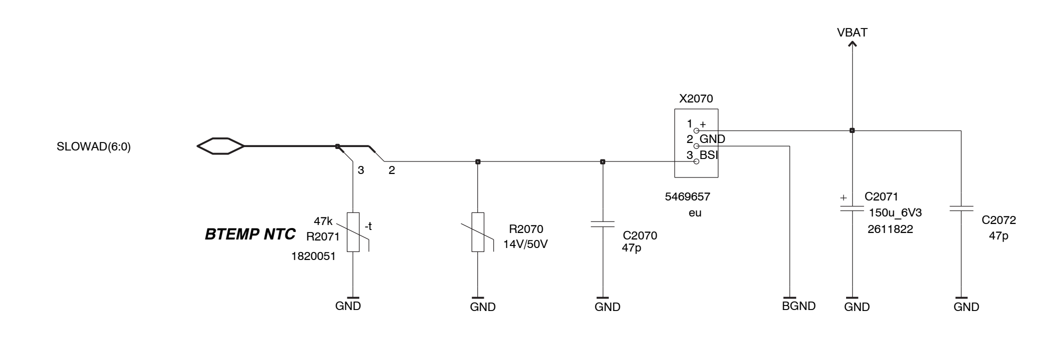
BT_TEST(15:0)

WLAN_CMT(7:0)

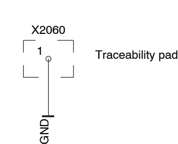


G_LPRF(23:0)
BT_RESETX
BT_WAKEUP
BTH_CLK_REQ
UART_RTS
UART_TX
UART_RX
UART_CTS
PCM_CLK
PCM_IN
PCM_OUT
PCM_SYNC
UART_WAKE
WLAN_TX_CONFX
WLAN_RF_ACTIVE
WLAN_STATUS
WLAN_FREQ
PUSL(3:0)
PURX
SLEEPCLK
SEE NOTE 2
R6037
100k
1430804
GND
VIO_BTH_1V8
R6030
10k
1430778
- REMOVED -
C6041 IS OPTIONAL FOR TEST
REMOVE FOR MINIMUM PWB AREA
T6030
LDB182G4505C-110
4580043
C6052
1p2
2320514
L6030
3n3H
3646047
L6031
ANT_BTH
NOTE: T6030 PINS 2 & 5 ARE NC
C6031
18p
2320604
C6051
1p0
2320508
N6030
BC4-ROM1.0RDL
4376495
RF_IN
RF_A
RF_B
AUX_DAC
XTAL_IN
PCM_OUT
PCM_IN
PCM_SYNC
PCM_CLK
UART_TX
UART_RX
UART_RTS
UART_CTS
RESETB
SPI_CSB
SPI_CLK
SPI_MOSI
SPI_MISO
TEST_EN
VSS_DIG
VSS_PADS
VSS_VCO
VSS_RADIO
VSS_ANA
PIO0
PIO1
PIO2
PIO3
PIO4
PIO5
PIO6
PIO7
PIO8
PIO9
AIO0
AIO2
VREG_EN
VREG_IN
VDD_ANA
NC
VDD_PIO
VDD_PADS
VDD_CORE
VDD_VCO
VDD_RADIO
LNA_ENABLE
PA_ENABLE
UART_CTS_P
WLAN_STATUS
VBAT_BTH
R6034
10k
1430778
L6032
22nH
3646063
R6031
C6038
10n
2320778
LPRFCLK
SYSCLK
C6032
100p
2320560
C6033
C6034
C6035
R6032
2R2
1430691
C6039
C6036
C6040
1u0
2351009
C6037
1u5
2351039
VBAT
C6055
VIO

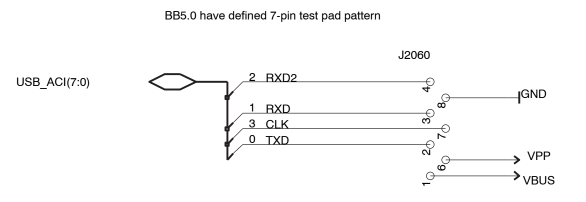

SYS_CONN
siiri sys conn
XAUDIO(7:0)
USB_ACI(7:0)
SLOWAD(6:0)
AUDIOCTRL(5:0)
XAUDIO(7:0)
USB_ACI(7:0)
SLOWAD(6:0)
AUDIOCTRL(5:0)
CHARGER
FM_ANT
COMP_VIDEO
CHARGER
FM_ANT
COMP_VIDEO
2000-2059
PROD_TEST_PATTERN
7pin
USB_ACI(7:0)
2060-2069
BATTERY_CONN
siiri tabby
SLOWAD(6:0)
SLOWAD(6:0)
2070-2099

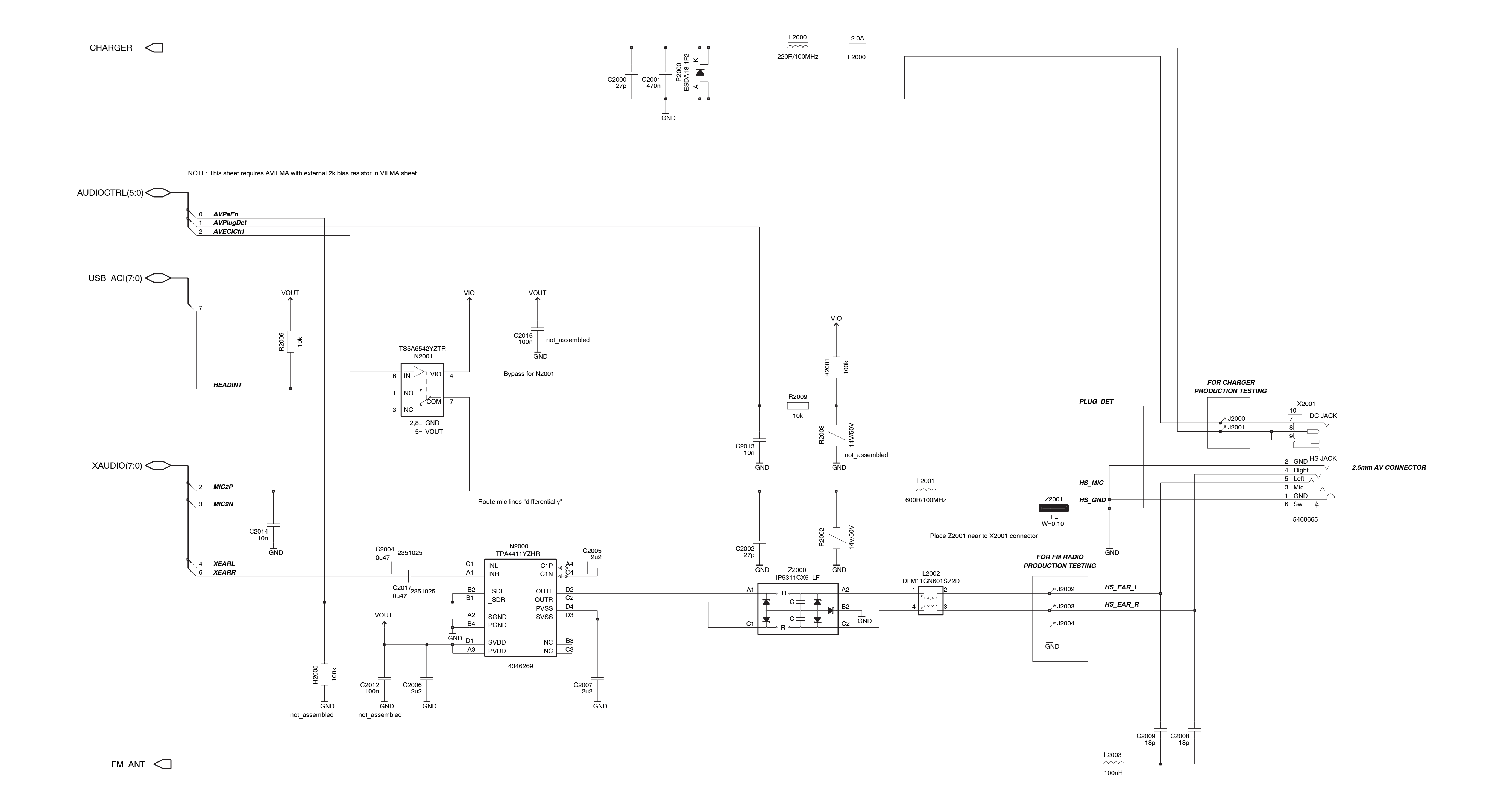


SLOWAD(6:0)
3
2
47k
R2071
-t
1820051
BTEMP NTC
R2070
14V/50V
C2070
47p
X2070
1 +
2 GND
3 BSI
5469657
eu
VBAT
C2071
150u_6V3
2611822
C2072
47p
GND
GND
GND
BGND
GND
GND

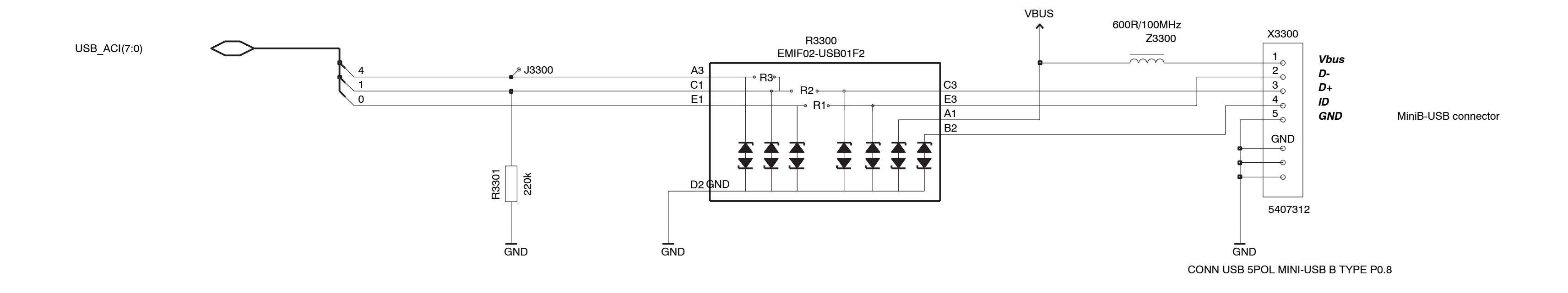


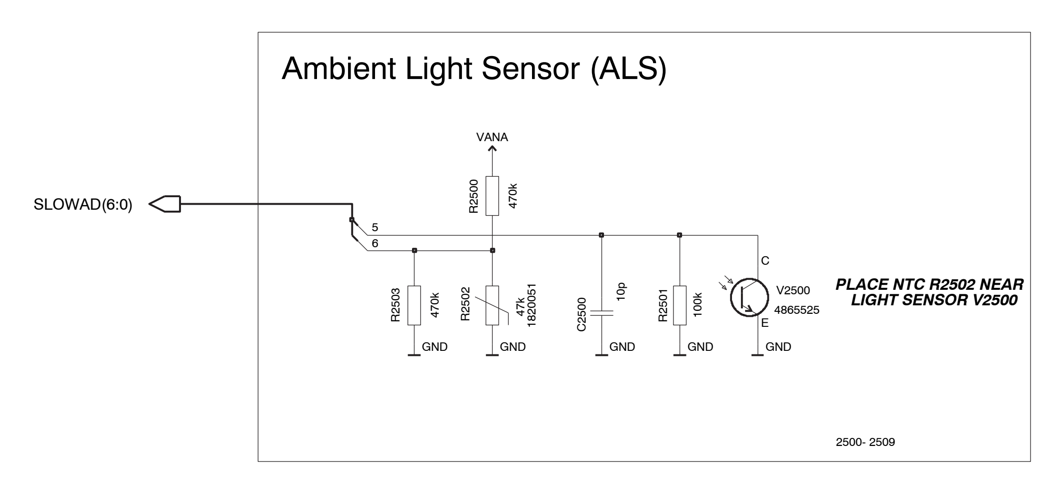
BB5.0 have defined 7-pin test pad pattern

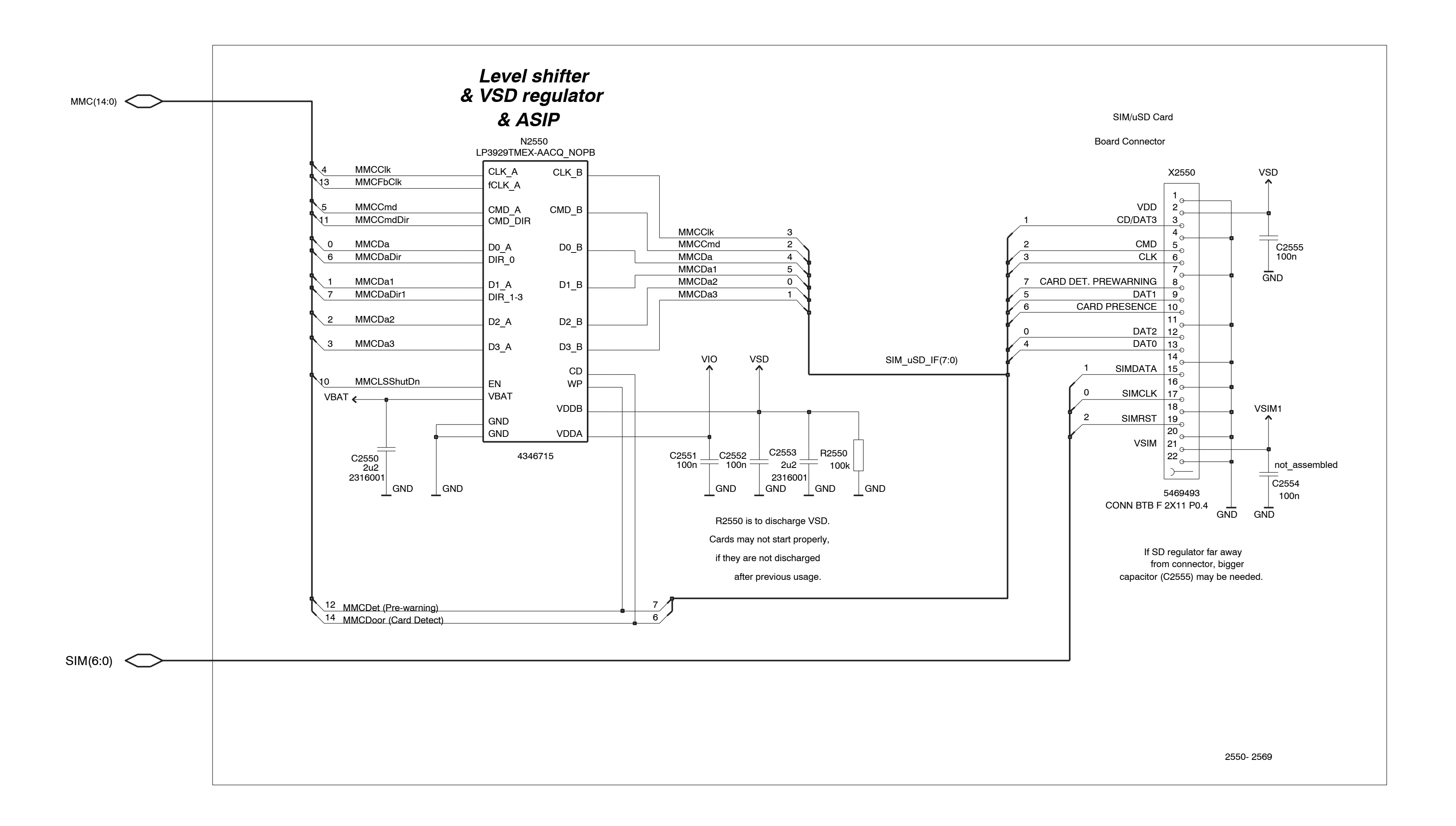


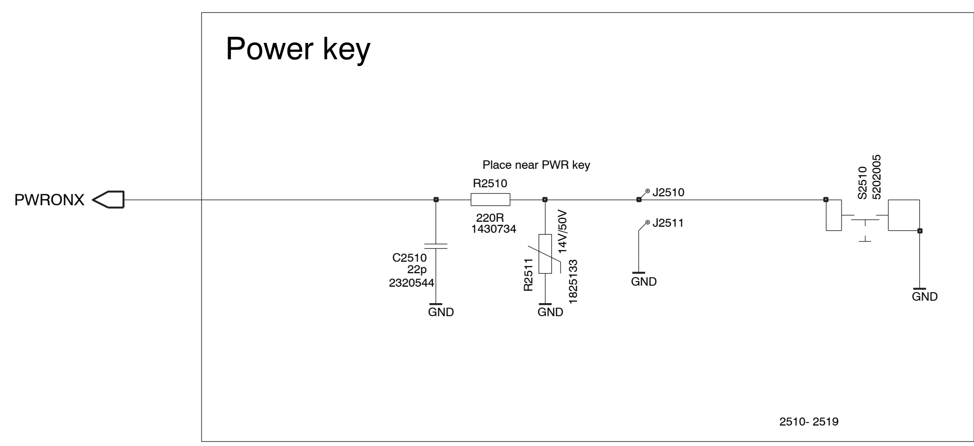


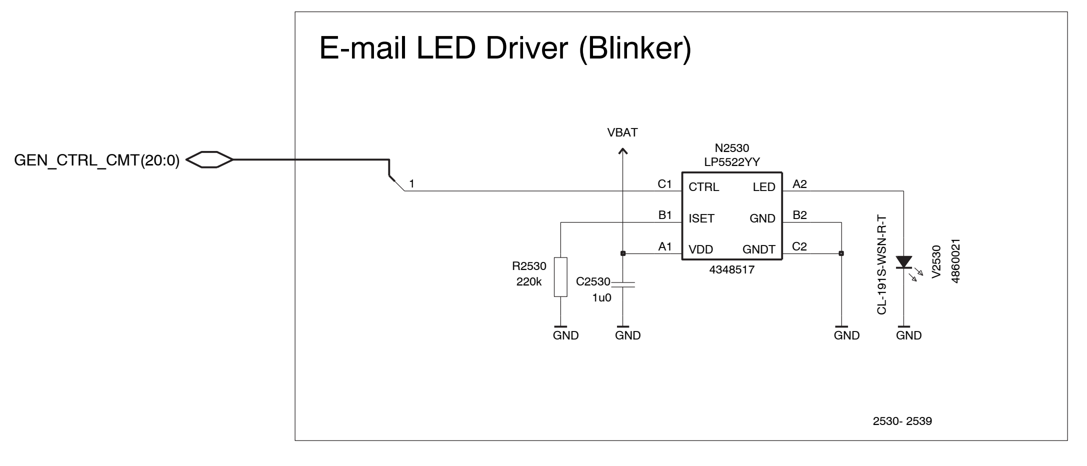
CHARGER
L2000
220R/100MHz
2.0A
F2000
C2000
27p
C2001
470n
R2000
ESDA18-1F2
K
A
GND
NOTE: This sheet requires AVILMA with external 2k bias resistor in VILMA sheet
AUDIOCTRL(5:0)
AVPaEn
AVPlugDet
AVECICtrl
USB_ACI(7:0)
VOUT
VIO
R2006
10k
TS5A6542YZTR
N2001
C2015
100n
not_assembled
Bypass for N2001
HEADINT
IN
NO
NC
COM
2,8= GND
5= VOUT
R2001
100k
R2009
10k
PLUG_DET
C2013
10n
R2003
14V/50V
not_assembled
FOR CHARGER
PRODUCTION TESTING
J2000
J2001
X2001
DC JACK
HS JACK
2.5mm AV CONNECTOR
GND
Right
Left
Mic
Sw
5469665
XAUDIO(7:0)
MIC2P
MIC2N
Route mic lines "differentially"
L2001
600R/100MHz
HS_MIC
HS_GND
Z2001
L=
W=0.10
Place Z2001 near to X2001 connector
C2014
10n
C2002
27p
R2002
14V/50V
C2004
0u47
2351025
N2000
TPA4411YZHR
C2005
2u2
XEARL
XEARR
C2017
0u47
INL
INR
_SDL
_SDR
SGND
PGND
SVDD
PVDD
C1P
C1N
OUTL
OUTR
PVSS
SVSS
4346269
Z2000
IP5311CX5_LF
L2002
DLM11GN601SZ2D
FOR FM RADIO
PRODUCTION TESTING
J2002
J2003
J2004
HS_EAR_L
HS_EAR_R
R2005
100k
not_assembled
C2012
100n
C2006
2u2
C2007
2u2
C2009
18p
C2008
18p
FM_ANT
L2003
100nH

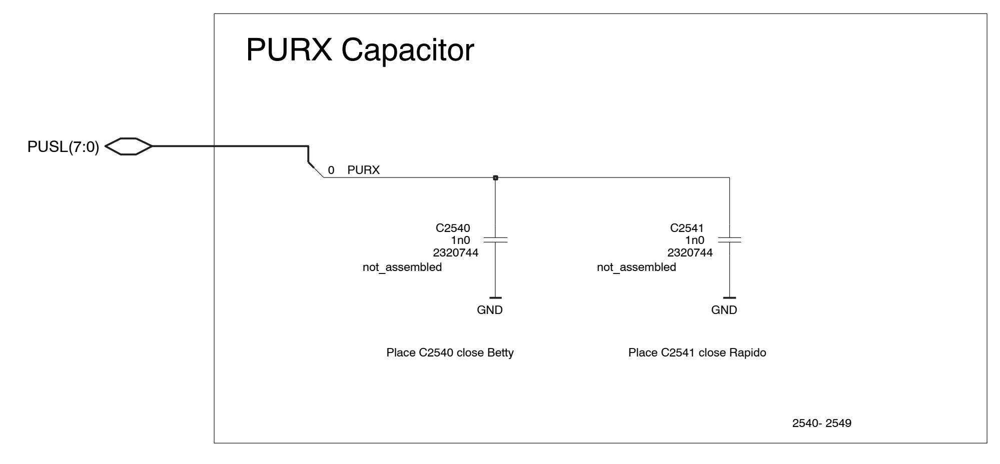

USB_ACI(7:0)
4
1
0
J3300
R3301
220k
GND
R3300
EMIF02-USB01F2
A3
C1
E1
R3
R2
R1
C3
E3
A1
B2
D2 GND
GND
VBUS
600R/100MHz
Z3300
X3300
1
2
3
4
5
Vbus
D-
D+
ID
GND
MiniB-USB connector
GND
5407312
GND
CONN USB 5POL MINI-USB B TYPE P0.8

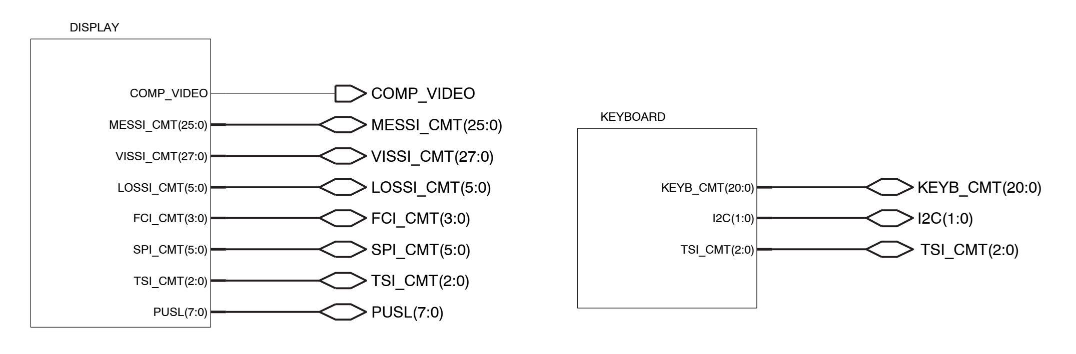

Ambient Light Sensor (ALS)
SLOWAD(6:0)
VANA
R2500 470k
R2503 470k
R2502 47k 1820051
C2500 10p
R2501 100k
V2500 4865525
PLACE NTC R2502 NEAR LIGHT SENSOR V2500
GND
2500- 2509

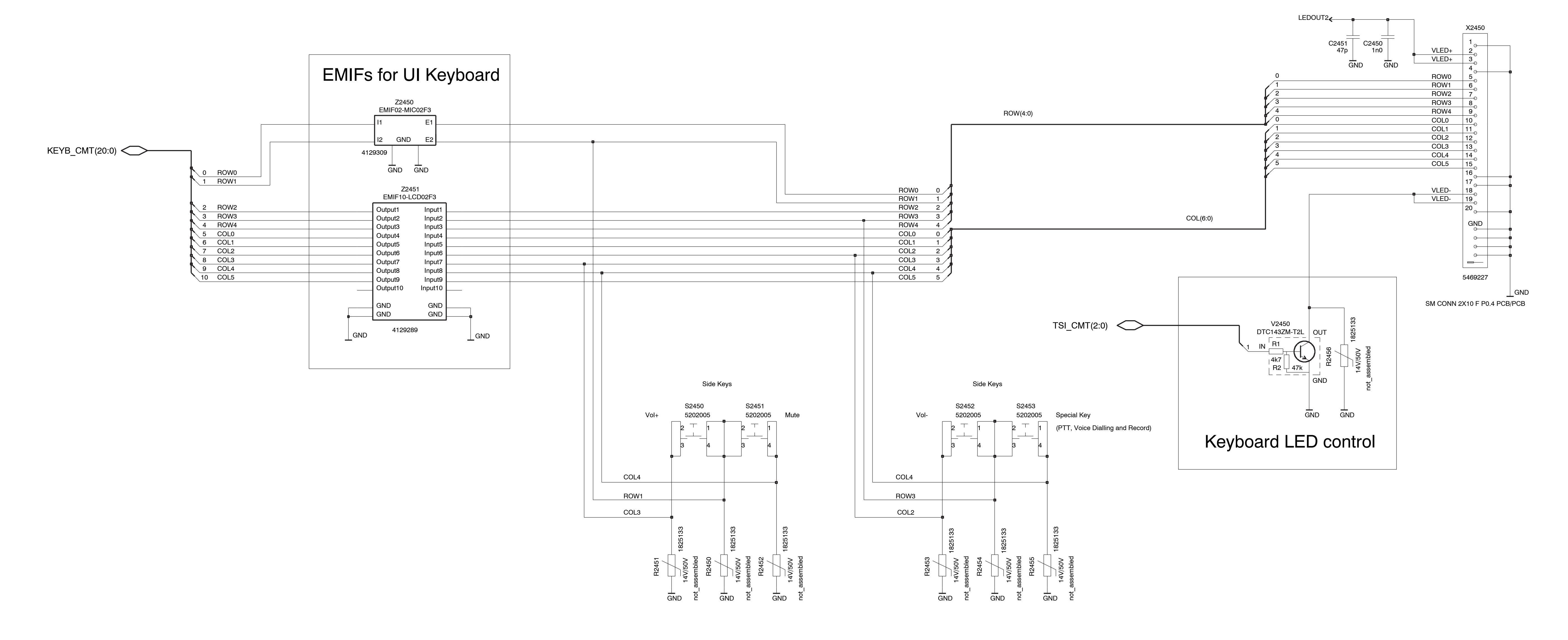

MMC(14:0)
Level shifter & VSD regulator & ASIP
N2550 LP3929TMEX-AACQ_NOPB
SIM/uSD Card
Board Connector
X2550
VDD
CD/DAT3
CMD
CLK
CARD DET. PREWARNING
DAT1
CARD PRESENCE
DAT2
DAT0
SIMDATA
SIMCLK
SIMRST
VSIM
VSD
C2555 100n
VSIM1
not_assembled
C2554 100n
5469493
CONN BTB F 2X11 P0.4
SIM_uSD_IF(7:0)
VIO
C2550 2u2 2316001
C2551 100n
C2552 100n
C2553 2u2 2316001
R2550 100k
4346715
R2550 is to discharge VSD.
Cards may not start properly,
if they are not discharged
after previous usage.
If SD regulator far away
from connector, bigger
capacitor (C2555) may be needed.
MMCDet (Pre-warning)
MMCDoor (Card Detect)
SIM(6:0)
2550- 2569

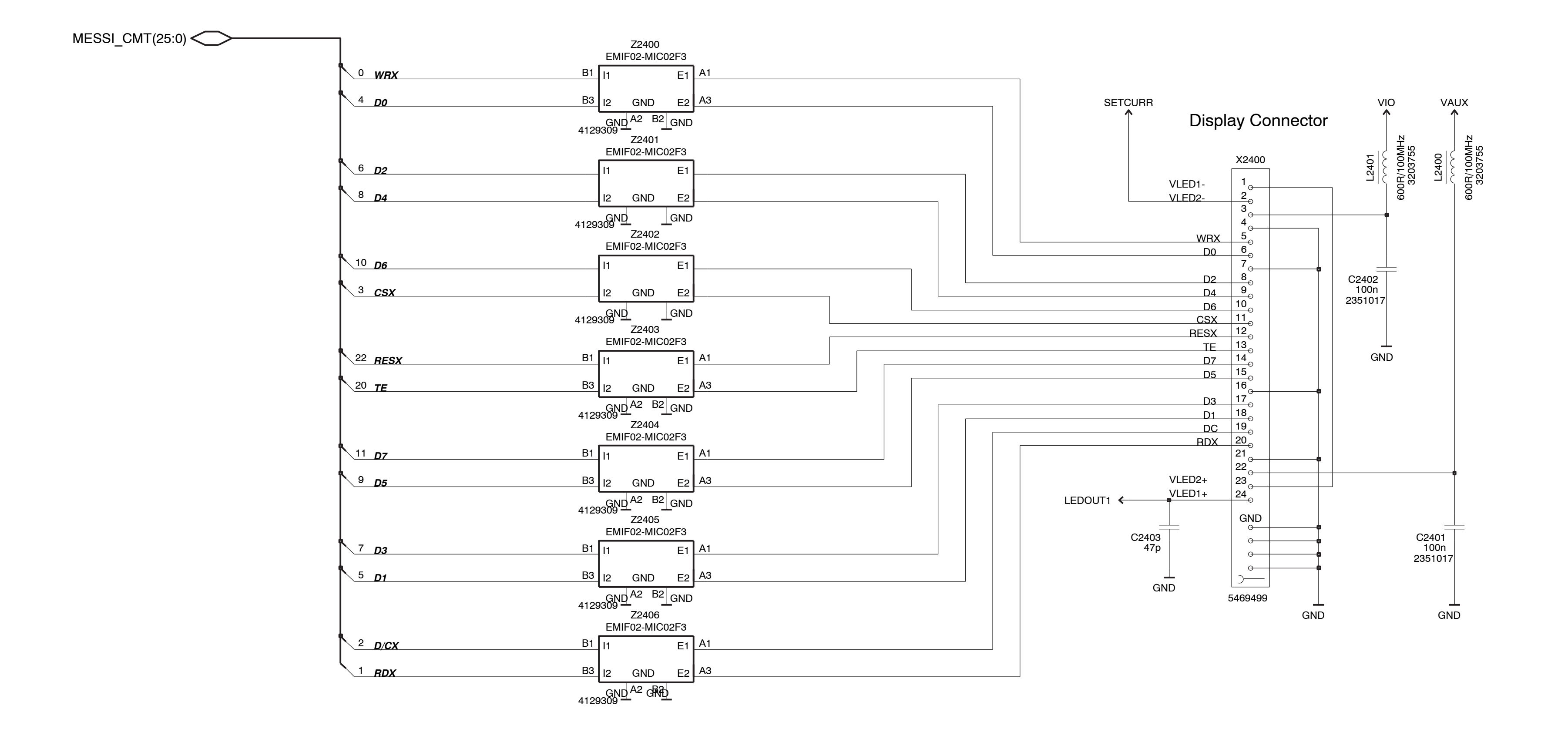

Power key
PWRONX
Place near PWR key
R2510 220R 1430734
C2510 22p 2320544
R2511 14V/50V 1825133
J2510
J2511
S2510 5202005
GND
2510- 2519

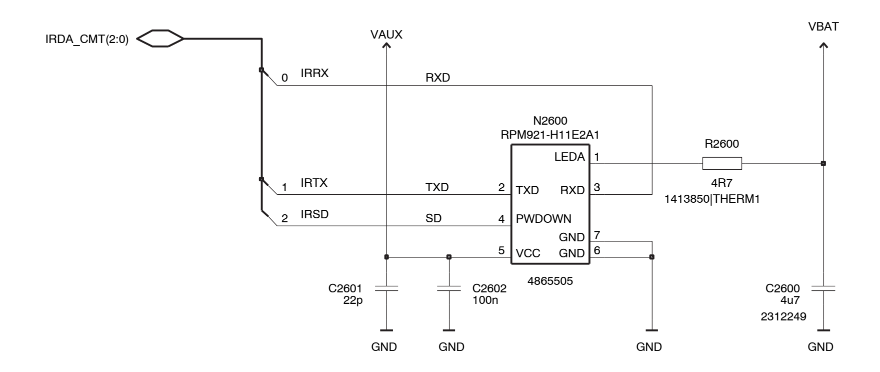

E-mail LED Driver (Blinker)
GEN_CTRL_CMT(20:0)
VBAT
N2530 LP5522YY
CTRL
ISET
VDD
LED
GND
GNDT
4348517
R2530 220k
C2530 1u0
V2530 4860021
CL-191S-WSN-R-T
GND
2530- 2539


PURX Capacitor
PUSL(7:0)
PURX
C2540 1n0 2320744 not_assembled
C2541 1n0 2320744 not_assembled
Place C2540 close Betty
Place C2541 close Rapido
GND
2540- 2549

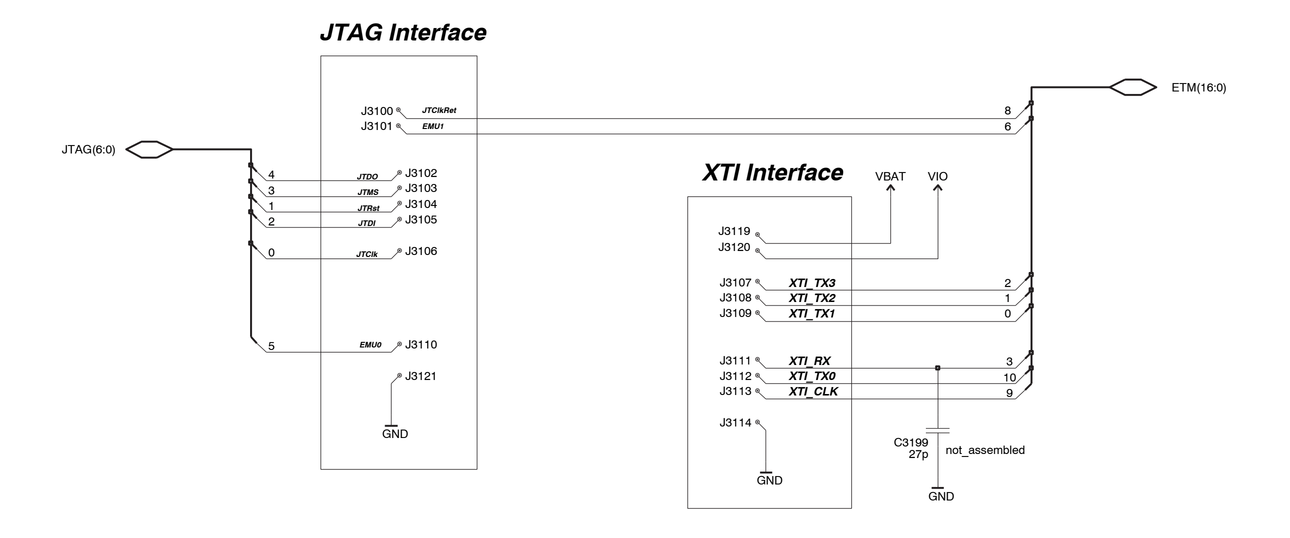

DISPLAY
COMP_VIDEO
MESSI_CMT(25:0)
VISSI_CMT(27:0)
LOSSI_CMT(5:0)
FCI_CMT(3:0)
SPI_CMT(5:0)
TSI_CMT(2:0)
PUSL(7:0)
KEYBOARD
KEYB_CMT(20:0)
I2C(1:0)
TSI_CMT(2:0)
2400- 2449
2450- 2499


EMIFs for UI Keyboard
Z2450
EMIF02-MIC02F3
4129309
Z2451
EMIF10-LCD02F3
4129289
KEYB_CMT(20:0)
ROW(4:0)
COL(6:0)
UI Board Connector
LEDOUT2
C2451
47p
C2450
1n0
X2450
VLED+
VLED-
5469227
SM CONN 2X10 F P0.4 PCB/PCB
Side Keys
S2450
5202005
S2451
5202005
Vol+
Mute
S2452
5202005
S2453
5202005
Vol-
Special Key
(PTT, Voice Dialling and Record)
R2451
R2450
R2452
R2453
R2454
R2455
1825133
14V/50V
not_assembled
TSI_CMT(2:0)
V2450
DTC143ZM-T2L
R2456
Keyboard LED control
GND

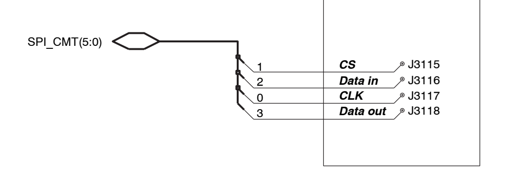

MESSI_CMT(25:0)
Display Connector
X2400
5469499
SETCURR
VIO
VAUX
LEDOUT1
VLED1-
VLED2-
VLED2+
VLED1+
WRX
D0
D2
D4
D6
CSX
RESX
TE
D7
D5
D3
D1
DC
RDX
Z2400
Z2401
Z2402
Z2403
Z2404
Z2405
Z2406
EMIF02-MIC02F3
4129309
D/CX
L2401
L2400
600R/100MHz
3203755
C2402
100n
2351017
C2401
100n
2351017
C2403
47p
GND


IRDA_CMT(2:0)
VAUX
VBAT
0
IRRX
RXD
1
IRTX
TXD
2
IRSD
SD
N2600
RPM921-H11E2A1
LEDA
1
2
TXD
RXD
3
4
PWDOWN
GND
7
5
VCC
GND
6
4865505
R2600
4R7
1413850|THERM1
C2601
22p
C2602
100n
C2600
4u7
2312249
GND
GND
GND
GND

IRDA



PCM interface to/from Audio Precision



SLOWAD(6:0)

GPSCLK
LPRFCLK_I
DIG_AUDIO(5:0)
AUDIO(8:0)
H_BRIDGE(3:0)
SIM(6:0)
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
BETTYIO(3:0)
PWRONX
CBUS(3:0)
FCI_CMT(3:0)
HS_USB(12:0)
PCM(3:0)
IRDA_CMT(2:0)
TSI_CMT(2:0)
WLAN_CMT(7:0)
GPS_CMT(3:0)
RFID_CMT(1:0)
AUDIOCTRL(5:0)
I2S_CMT_AUDIO(5:0)

POWER
basic
AUDIO(8:0)
H_BRIDGE(3:0)
SIM(6:0)
XAUDIO(7:0)
USB_ACI(7:0)
CHARGER
SLOWAD(6:0)
BETTYIO(3:0)
TXC_CONV(2:0)
DIG_AUDIO(5:0)
EMINT(1:0)
ACI(1:0)
TXC(2:0)
INT_SIM(5:0)
CBUS(3:0)
PUSL(7:0)
FCI_CMT(3:0)
INTUSB(8:0)
PWRONX

LPRFCLK_I
TXC_CONV_I(2:0)
DIG_AUDIO(5:0)
EMINT(1:0)
ACI(1:0)
TXC(2:0)
INT_SIM(5:0)
CBUS(3:0)
PUSL(7:0)
FCI_CMT(3:0)

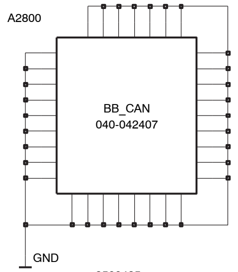
DIGI
basic
DIG_AUDIO(5:0)
EMINT(1:0)
ACI(1:0)
TXC(2:0)
INT_SIM(5:0)
CBUS(3:0)
PUSL(7:0)
FCI_CMT(3:0)
PCM(3:0)
JTAG(6:0)
ETM(16:0)
IRDA_CMT(2:0)
TSI_CMT(2:0)
WLAN_CMT(7:0)
GPS_CMT(3:0)
RFID_CMT(1:0)
AUDIOCTRL(5:0)
I2S_CMT_AUDIO(5:0)
RFCLK_I(1:0)
RFCTRL_I(8:0)
RFCONV_I(11:0)
MMC(14:0)
LPRF_CMT(7:0)
CAM_CTRL_CMT(8:0)
CCP_CMT(3:0)
DMIC(4:0)
MESSI_CMT(25:0)
KEYB_CMT(20:0)
SPI_CMT(5:0)
I2C(1:0)
GEN_CTRL_CMT(20:0)
VISSI_CMT(27:0)
LOSSI_CMT(5:0)
HS_USB(12:0)
INTUSB(8:0)
GPIO_APE(125:0)

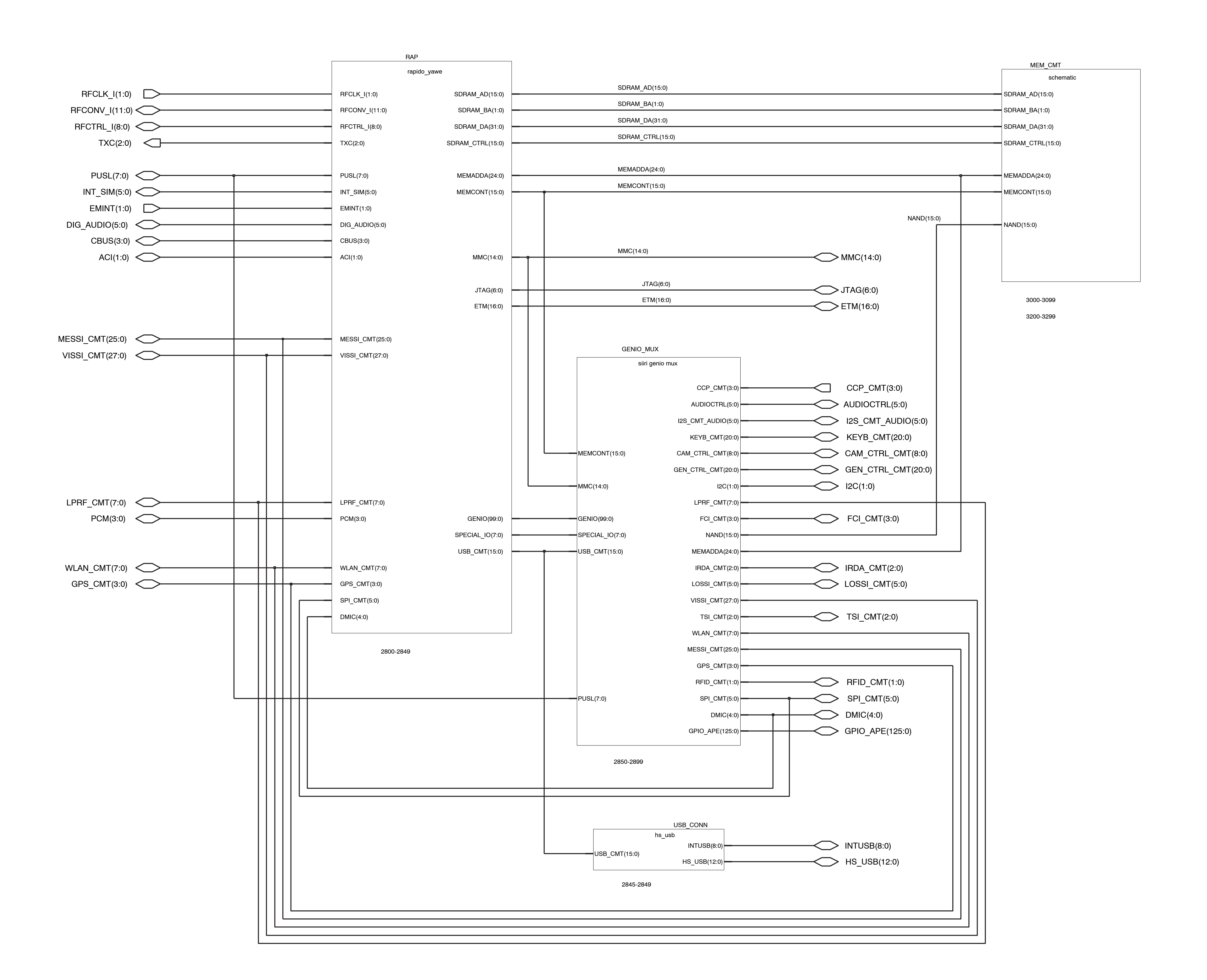
RFCLK_I(1:0)
RFCTRL_I(8:0)
RFCONV_I(11:0)
LPRF_CMT(7:0)
CAM_CTRL_CMT(8:0)
CCP_CMT(3:0)
MESSI_CMT(25:0)
KEYB_CMT(20:0)
SPI_CMT(5:0)
GEN_CTRL_CMT(20:0)

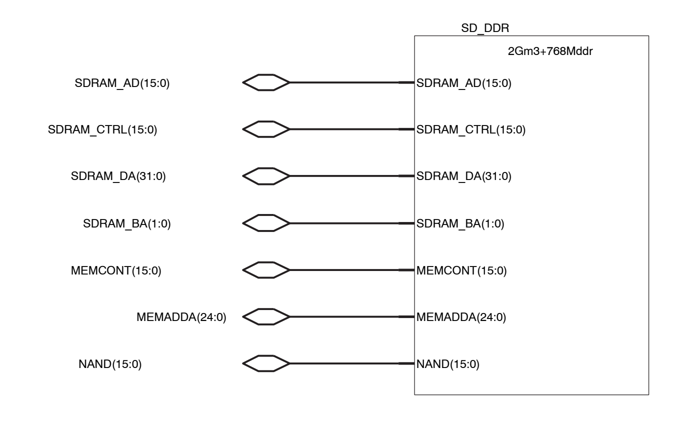
RF_BB
schematic
GPSCLK
LPRFCLK_I
TXCCONV_I(2:0)
RFCLK_I(1:0)
RFCTRL_I(8:0)
RFCONV_I(11:0)
RFClkExt_GPS
RFClkExt
RFCLK(1:0)
RFCTRL(8:0)
RFCONV(11:0)
TXCCONV(2:0)
RFPWR(5:0)

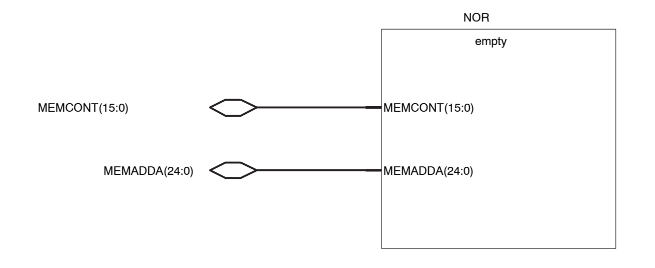
RFClkExt_GPS
RFClkExt
RFCLK(1:0)
RFCTRL(8:0)
RFCONV(11:0)
TXCCONV(2:0)
RFPWR(5:0)
MMC(14:0)
LPRF_CMT(7:0)
CAM_CTRL_CMT(8:0)
CCP_CMT(3:0)
DMIC(4:0)
MESSI_CMT(25:0)
KEYB_CMT(20:0)
SPI_CMT(5:0)
I2C(1:0)
GEN_CTRL_CMT(20:0)
VISSI_CMT(27:0)
LOSSI_CMT(5:0)
INTUSB(8:0)
GPIO_APE(125:0)

ETM(16:0)
JTAG(6:0)
PUSL(7:0)
ETM(16:0)
JTAG(6:0)
PUSL(7:0)

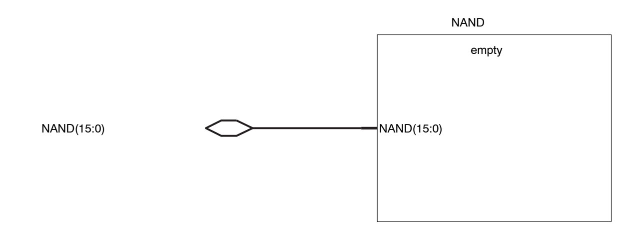



RAP
rapido_yawe
RFCLK_I(1:0)
RFCONV_I(11:0)
RFCTRL_I(8:0)
TXC(2:0)
PUSL(7:0)
INT_SIM(5:0)
EMINT(1:0)
DIG_AUDIO(5:0)
CBUS(3:0)
ACI(1:0)
MESSI_CMT(25:0)
VISSI_CMT(27:0)
LPRF_CMT(7:0)
PCM(3:0)
WLAN_CMT(7:0)
GPS_CMT(3:0)
SPI_CMT(5:0)
DMIC(4:0)
SDRAM_AD(15:0)
SDRAM_BA(1:0)
SDRAM_DA(31:0)
SDRAM_CTRL(15:0)
MEMADDA(24:0)
MEMCONT(15:0)
MMC(14:0)
JTAG(6:0)
ETM(16:0)
GENIO(99:0)
SPECIAL_IO(7:0)
USB_CMT(15:0)
2800-2849
MEM_CMT
schematic
NAND(15:0)
3000-3099
3200-3299
GENIO_MUX
siiri genio mux
CCP_CMT(3:0)
AUDIOCTRL(5:0)
I2S_CMT_AUDIO(5:0)
KEYB_CMT(20:0)
CAM_CTRL_CMT(8:0)
GEN_CTRL_CMT(20:0)
I2C(1:0)
FCI_CMT(3:0)
IRDA_CMT(2:0)
LOSSI_CMT(5:0)
TSI_CMT(2:0)
RFID_CMT(1:0)
GPIO_APE(125:0)
2850-2899
USB_CONN
hs_usb
INTUSB(8:0)
HS_USB(12:0)
2845-2849





NOT IN USE



NOT IN USE

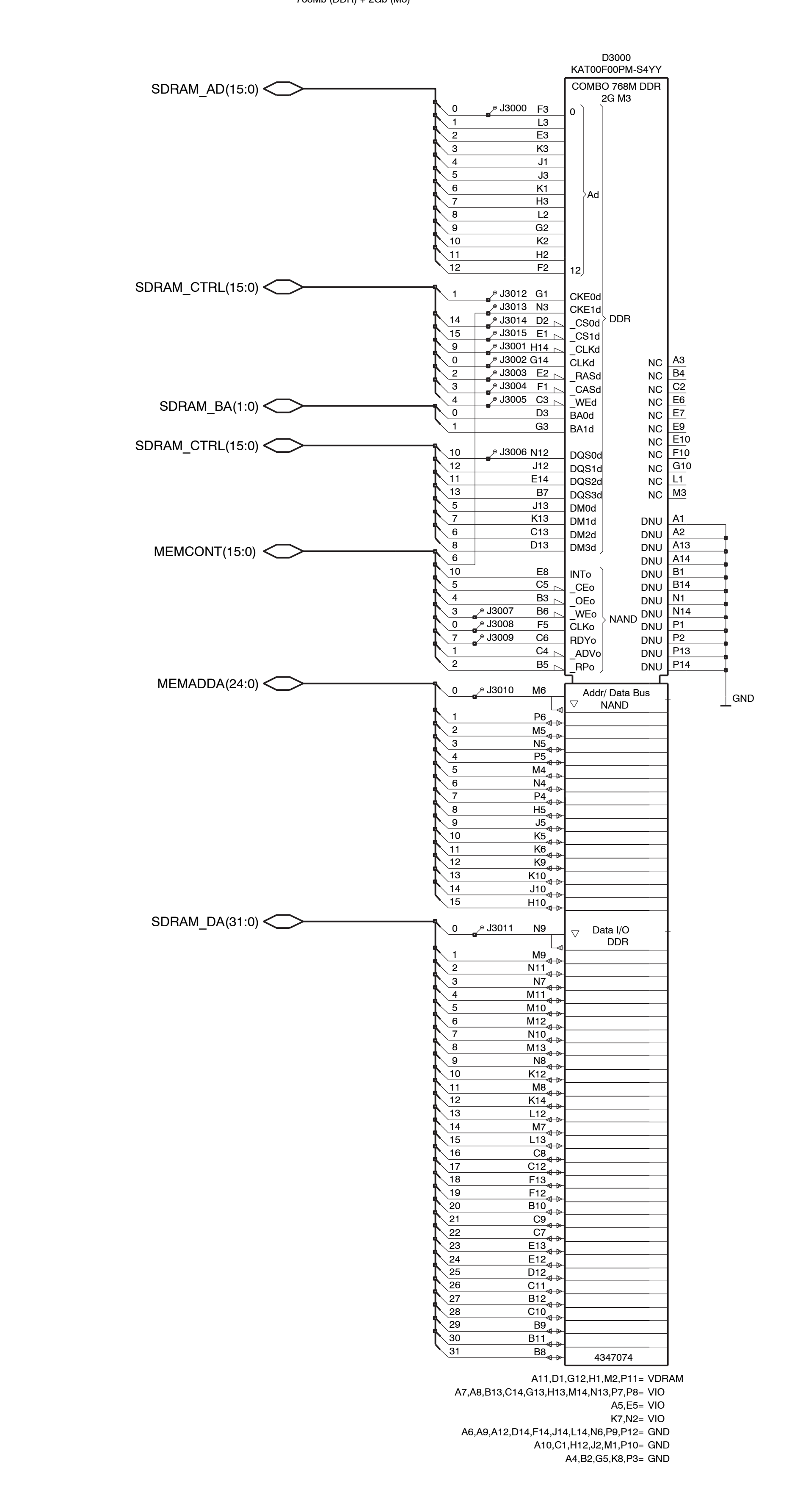
768Mb (DDR) + 2Gb (M3)

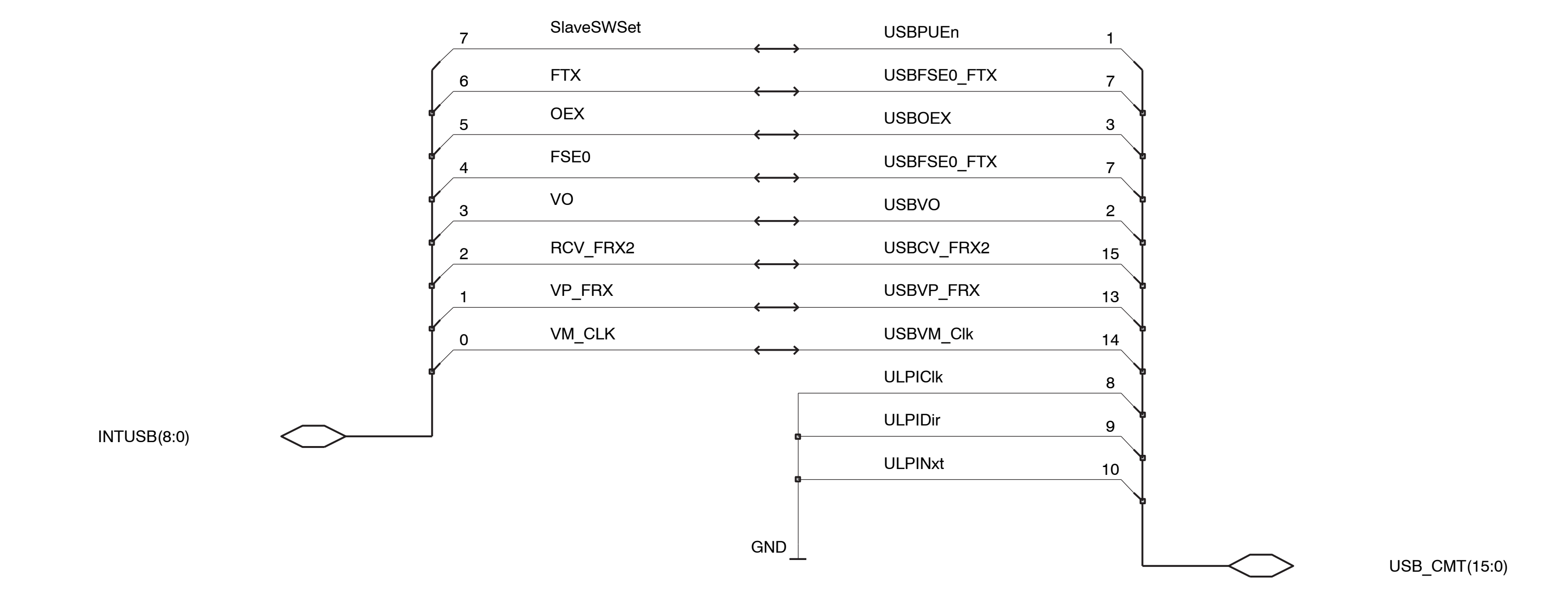
VIO

C3000 100n GND
C3001 100n GND
C3002 100n GND
C3003 10n GND
C3004 100n GND

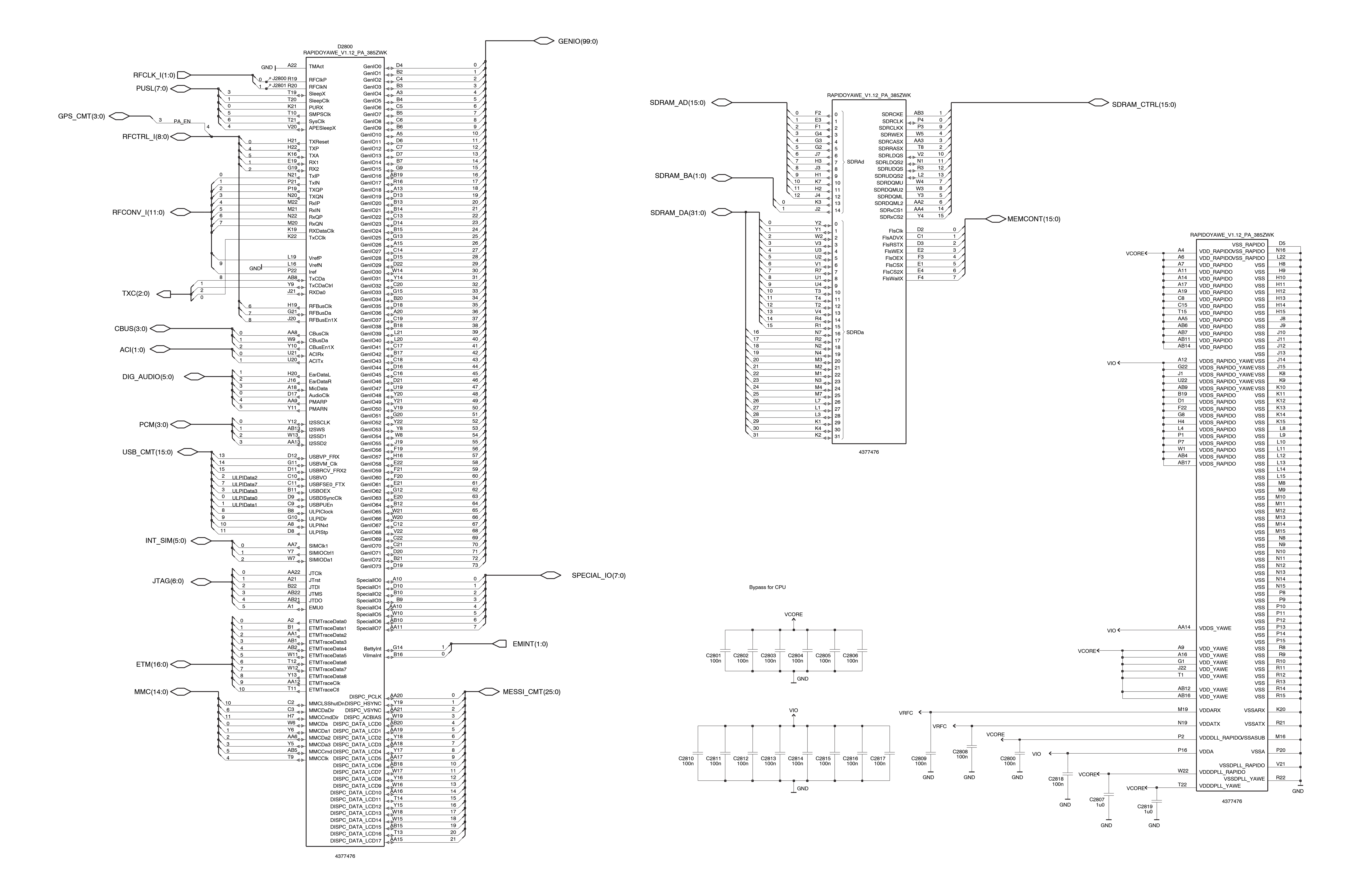
VDRAM

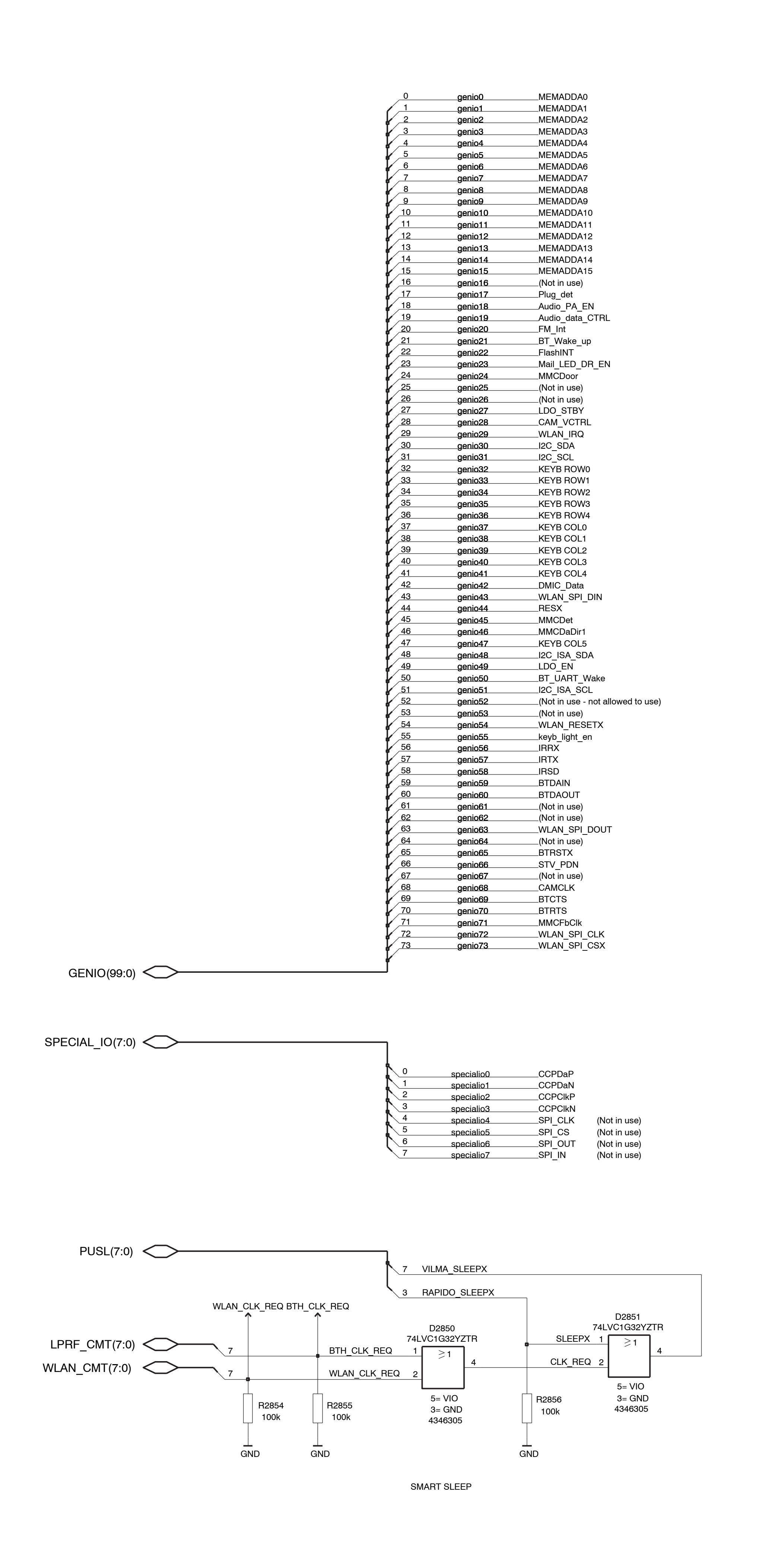
C3005 100n GND
C3006 100n GND
C3007 10n GND



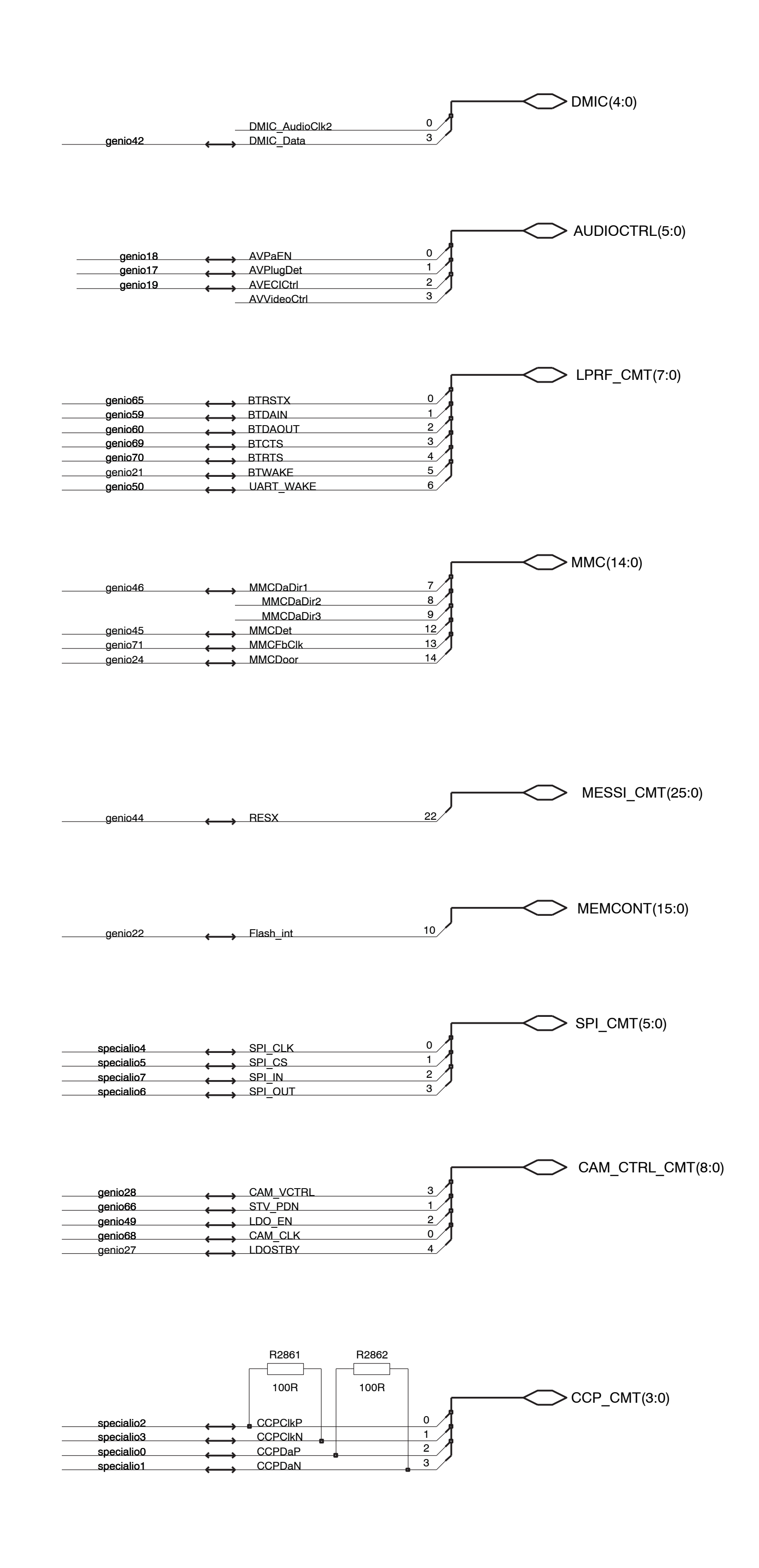


7
SlaveSWSet
USBPUEn
1
6
FTX
USBFSE0_FTX
7
5
OEX
USBOEX
3
4
FSE0
USBFSE0_FTX
7
3
VO
USBVO
2
2
RCV_FRX2
USBCV_FRX2
15
1
VP_FRX
USBVP_FRX
13
0
VM_CLK
USBVM_Clk
14
ULPIClk
8
ULPIDir
9
ULPINxt
10
INTUSB(8:0)
GND
USB_CMT(15:0)

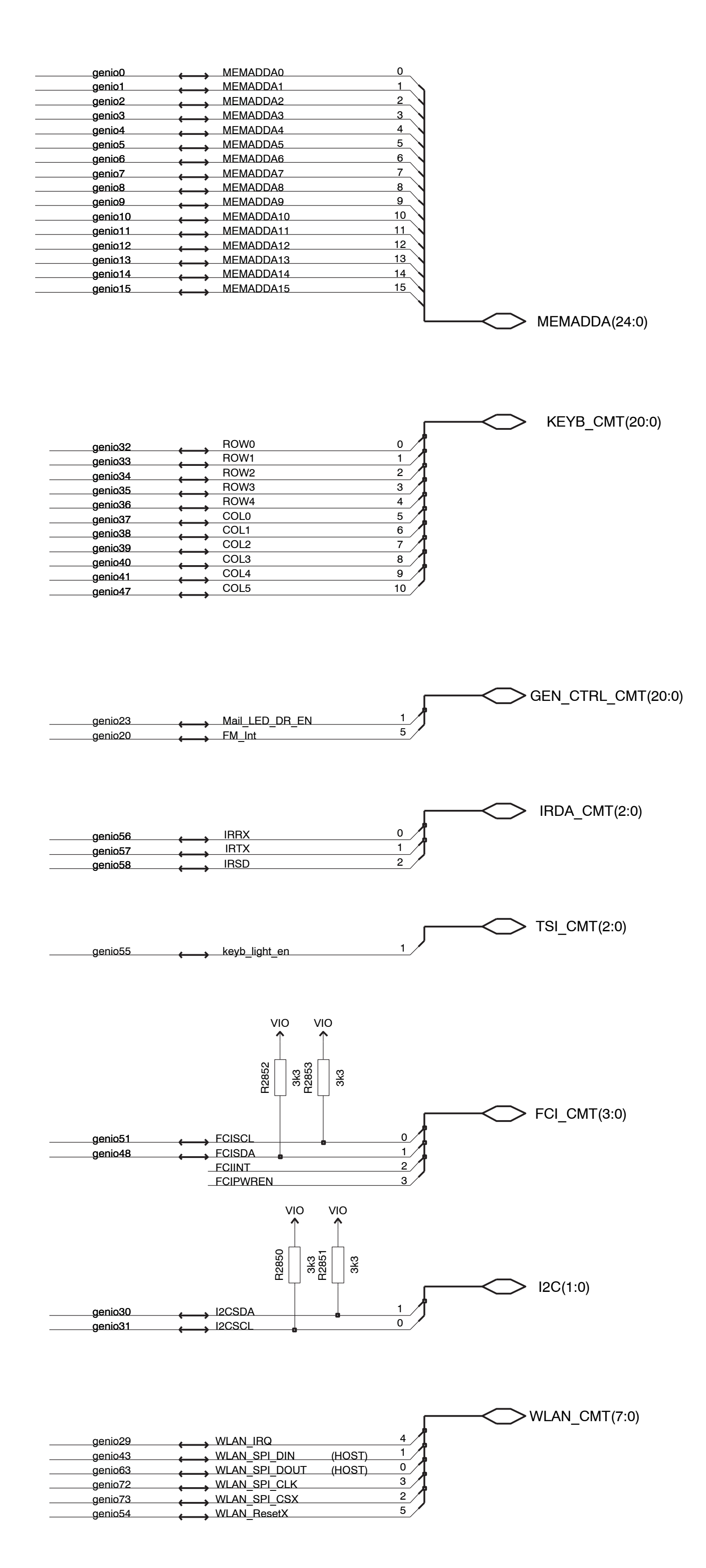

D2800
RAPIDOYAWE_V1.12_PA_385ZWK
GENIO(99:0)
RFCLK_I(1:0)
PUSL(7:0)
GPS_CMT(3:0)
PA_EN
RFCTRL_I(8:0)
RFCONV_I(11:0)
TXC(2:0)
CBUS(3:0)
ACI(1:0)
DIG_AUDIO(5:0)
PCM(3:0)
USB_CMT(15:0)
INT_SIM(5:0)
JTAG(6:0)
ETM(16:0)
MMC(14:0)
SPECIAL_IO(7:0)
EMINT(1:0)
MESSI_CMT(25:0)
4377476
SDRAM_AD(15:0)
SDRAM_BA(1:0)
SDRAM_DA(31:0)
SDRAM_CTRL(15:0)
MEMCONT(15:0)
SDRAd
SDRDa
RAPIDOYAWE_V1.12_PA_385ZWK
4377476
RAPIDOYAWE_V1.12_PA_385ZWK
VCORE
VIO
VRFC
4377476
Bypass for CPU
VCORE
C2801 100n
C2802 100n
C2803 100n
C2804 100n
C2805 100n
C2806 100n
GND
VIO
C2810 100n
C2811 100n
C2812 100n
C2813 100n
C2814 100n
C2815 100n
C2816 100n
C2817 100n
GND
C2809 100n
C2808 100n
C2800 100n
C2818 100n
C2807 1u0
C2819 1u0
GND



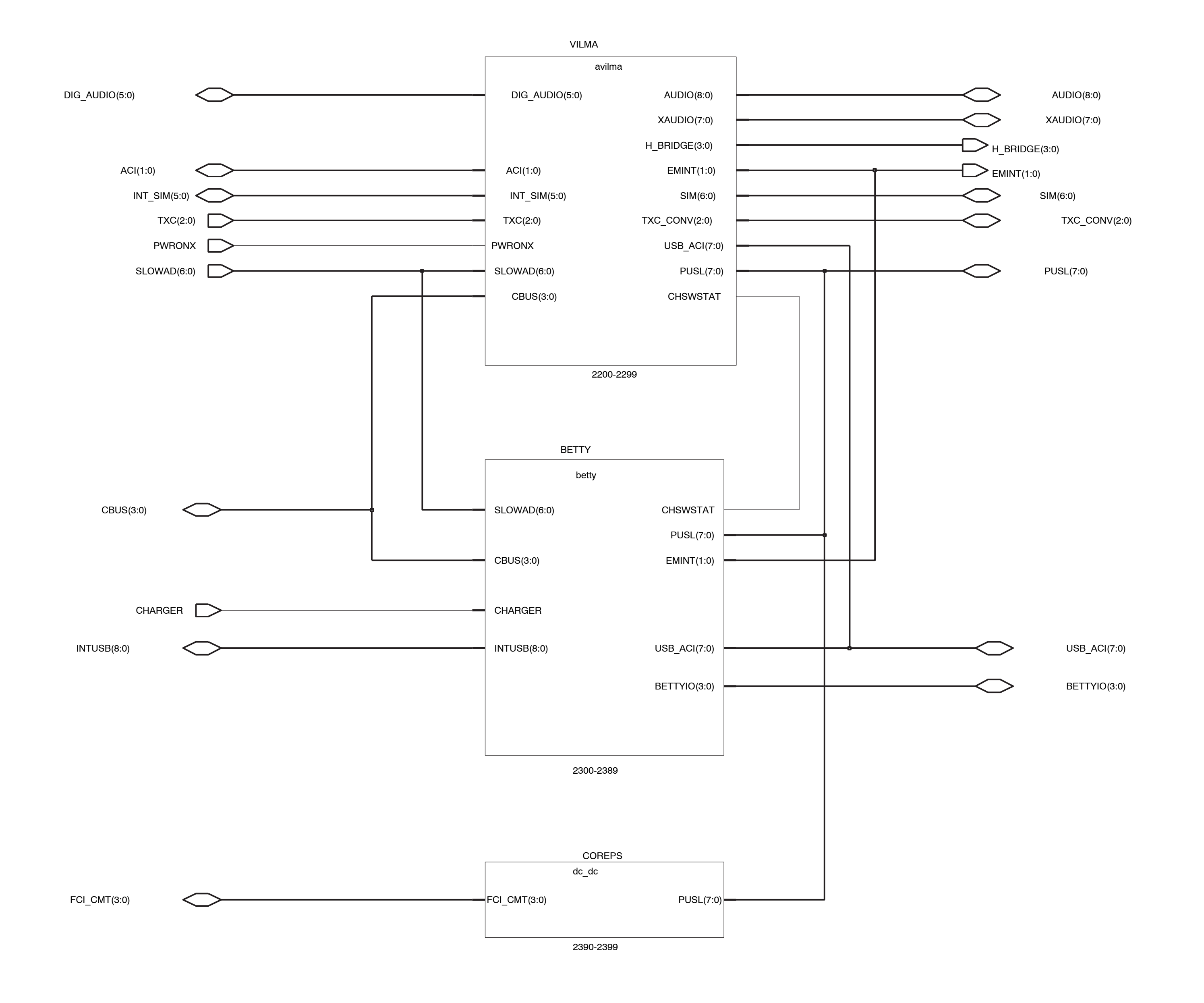
GENIO(99:0)
0 genio0 MEMADDA0
1 genio1 MEMADDA1
2 genio2 MEMADDA2
3 genio3 MEMADDA3
4 genio4 MEMADDA4
5 genio5 MEMADDA5
6 genio6 MEMADDA6
7 genio7 MEMADDA7
8 genio8 MEMADDA8
9 genio9 MEMADDA9
10 genio10 MEMADDA10
11 genio11 MEMADDA11
12 genio12 MEMADDA12
13 genio13 MEMADDA13
14 genio14 MEMADDA14
15 genio15 MEMADDA15
16 genio16 (Not in use)
17 genio17 Plug_det
18 genio18 Audio_PA_EN
19 genio19 Audio_data_CTRL
20 genio20 FM_Int
21 genio21 BT_Wake_up
22 genio22 FlashINT
23 genio23 Mail_LED_DR_EN
24 genio24 MMCDoor
25 genio25 (Not in use)
26 genio26 (Not in use)
27 genio27 LDO_STBY
28 genio28 CAM_VCTRL
29 genio29 WLAN_IRQ
30 genio30 I2C_SDA
31 genio31 I2C_SCL
32 genio32 KEYB ROW0
33 genio33 KEYB ROW1
34 genio34 KEYB ROW2
35 genio35 KEYB ROW3
36 genio36 KEYB ROW4
37 genio37 KEYB COL0
38 genio38 KEYB COL1
39 genio39 KEYB COL2
40 genio40 KEYB COL3
41 genio41 KEYB COL4
42 genio42 DMIC_Data
43 genio43 WLAN_SPI_DIN
44 genio44 RESX
45 genio45 MMCDet
46 genio46 MMCDaDir1
47 genio47 KEYB COL5
48 genio48 I2C_ISA_SDA
49 genio49 LDO_EN
50 genio50 BT_UART_Wake
51 genio51 I2C_ISA_SCL
52 genio52 (Not in use - not allowed to use)
53 genio53 (Not in use)
54 genio54 WLAN_RESETX
55 genio55 keyb_light_en
56 genio56 IRRX
57 genio57 IRTX
58 genio58 IRSD
59 genio59 BTDAIN
60 genio60 BTDAOUT
61 genio61 (Not in use)
62 genio62 (Not in use)
63 genio63 WLAN_SPI_DOUT
64 genio64 (Not in use)
65 genio65 BTRSTX
66 genio66 STV_PDN
67 genio67 (Not in use)
68 genio68 CAMCLK
69 genio69 BTCTS
70 genio70 BTRTS
71 genio71 MMCFbClk
72 genio72 WLAN_SPI_CLK
73 genio73 WLAN_SPI_CSX
SPECIAL_IO(7:0)
0 specialio0 CCPDaP
1 specialio1 CCPDaN
2 specialio2 CCPClkP
3 specialio3 CCPClkN
4 specialio4 SPI_CLK (Not in use)
5 specialio5 SPI_CS (Not in use)
6 specialio6 SPI_OUT (Not in use)
7 specialio7 SPI_IN (Not in use)
PUSL(7:0)
7 VILMA_SLEEPX
3 RAPIDO_SLEEPX
WLAN_CLK_REQ BTH_CLK_REQ
LPRF_CMT(7:0)
WLAN_CMT(7:0)
BTH_CLK_REQ
WLAN_CLK_REQ
D2850
74LVC1G32YZTR
5= VIO
3= GND
4346305
SLEEPX
CLK_REQ
D2851
74LVC1G32YZTR
5= VIO
3= GND
4346305
R2854 100k
R2855 100k
R2856 100k
GND
SMART SLEEP

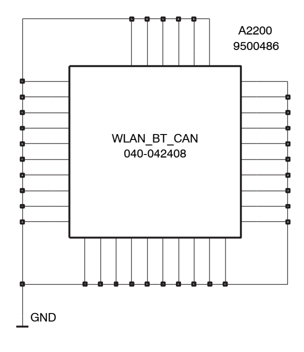


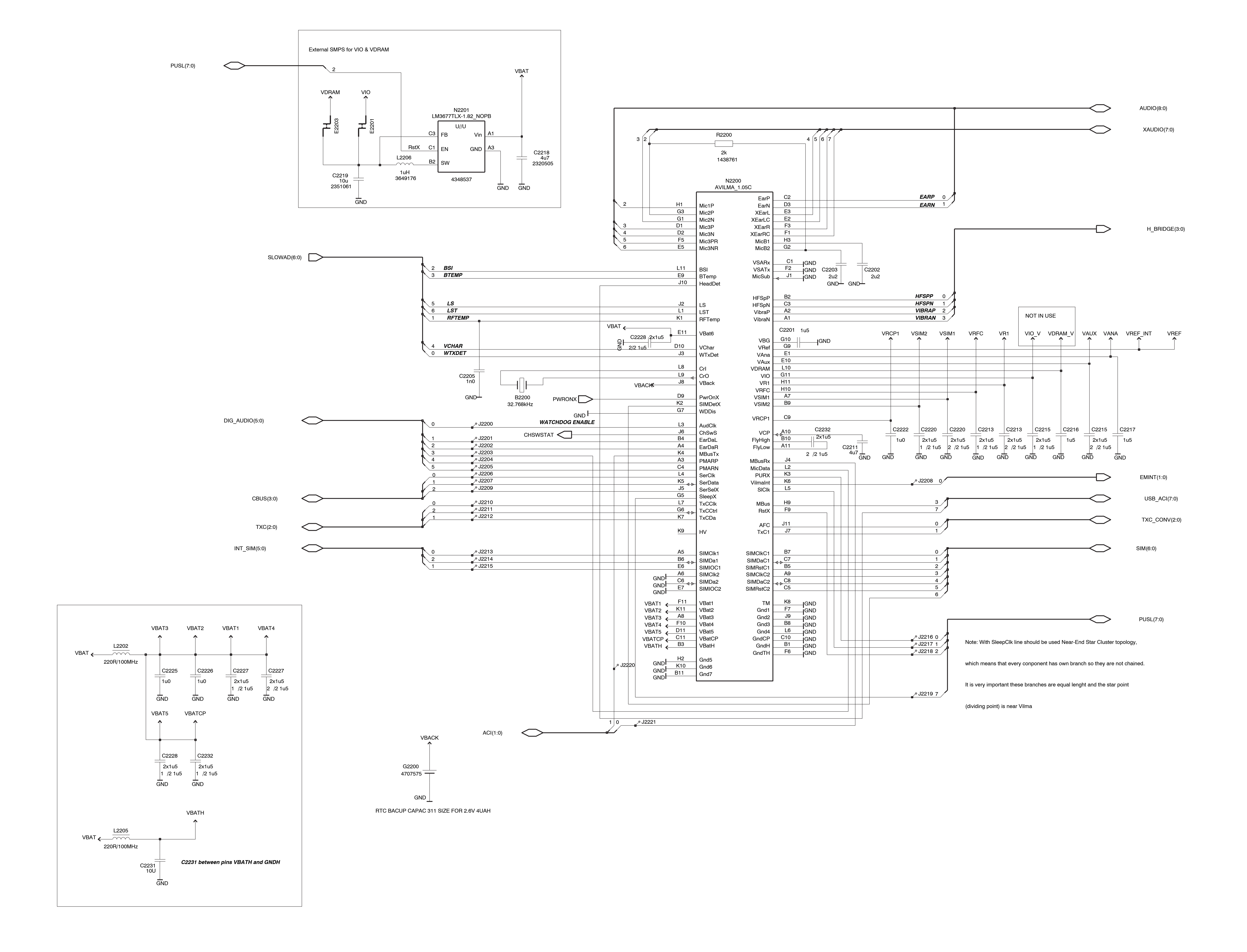
DMIC(4:0)
DMIC_AudioClk2 0
genio42 DMIC_Data 3
AUDIOCTRL(5:0)
genio18 AVPaEN 0
genio17 AVPlugDet 1
genio19 AVECICtrl 2
AVVideoCtrl 3
LPRF_CMT(7:0)
genio65 BTRSTX 0
genio59 BTDAIN 1
genio60 BTDAOUT 2
genio69 BTCTS 3
genio70 BTRTS 4
genio21 BTWAKE 5
genio50 UART_WAKE 6
MMC(14:0)
genio46 MMCDaDir1 7
MMCDaDir2 8
MMCDaDir3 9
genio45 MMCDet 12
genio71 MMCFbClk 13
genio24 MMCDoor 14
MESSI_CMT(25:0)
genio44 RESX 22
MEMCONT(15:0)
genio22 Flash_int 10
SPI_CMT(5:0)
specialio4 SPI_CLK 0
specialio5 SPI_CS 1
specialio7 SPI_IN 2
specialio6 SPI_OUT 3
CAM_CTRL_CMT(8:0)
genio28 CAM_VCTRL 3
genio66 STV_PDN 1
genio49 LDO_EN 2
genio68 CAM_CLK 0
genio27 LDOSTBY 4
R2861 100R
R2862 100R
CCP_CMT(3:0)
specialio2 CCPClkP 0
specialio3 CCPClkN 1
specialio0 CCPDaP 2
specialio1 CCPDaN 3

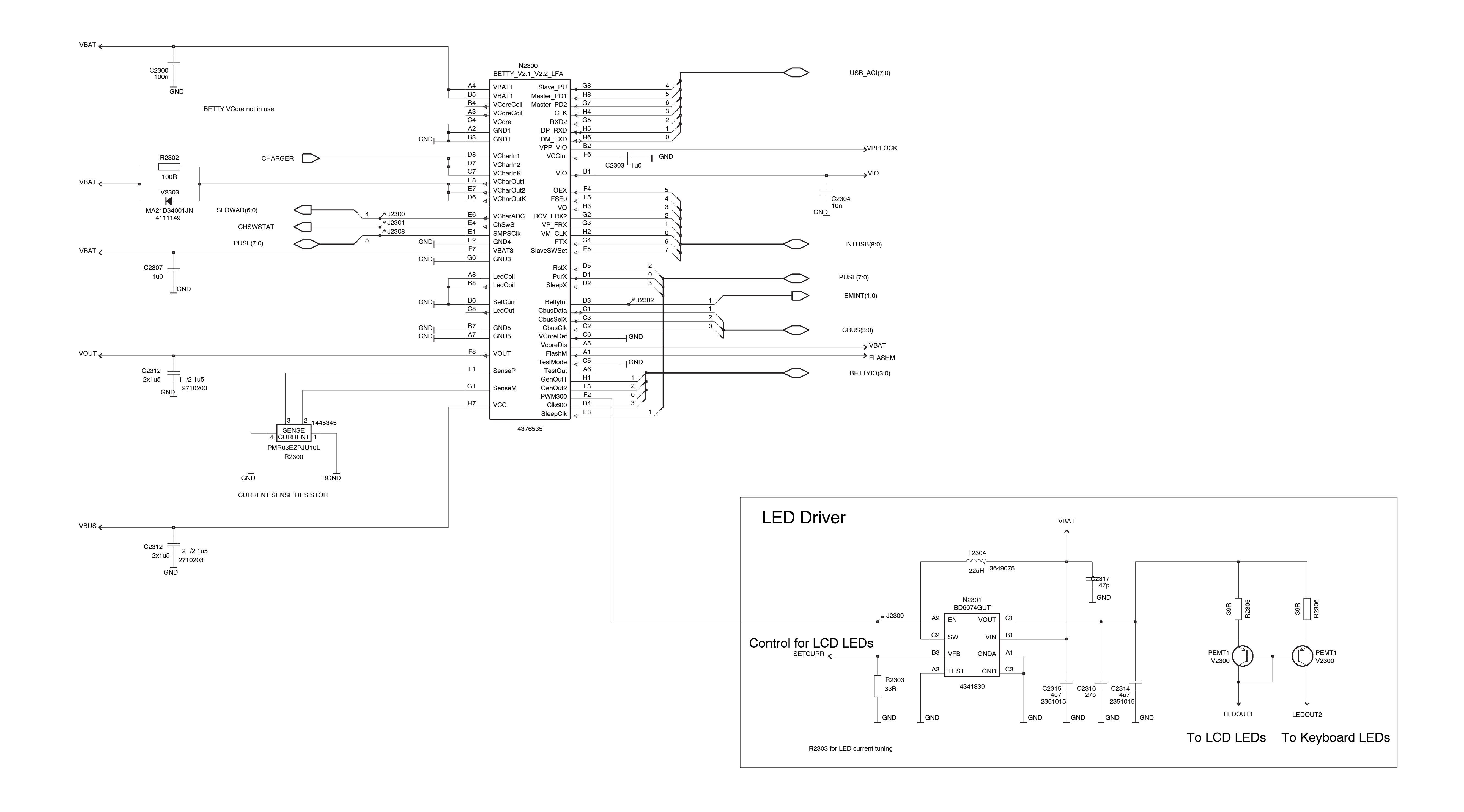


genio0 MEMADDA0 0
genio1 MEMADDA1 1
genio2 MEMADDA2 2
genio3 MEMADDA3 3
genio4 MEMADDA4 4
genio5 MEMADDA5 5
genio6 MEMADDA6 6
genio7 MEMADDA7 7
genio8 MEMADDA8 8
genio9 MEMADDA9 9
genio10 MEMADDA10 10
genio11 MEMADDA11 11
genio12 MEMADDA12 12
genio13 MEMADDA13 13
genio14 MEMADDA14 14
genio15 MEMADDA15 15
MEMADDA(24:0)
KEYB_CMT(20:0)
genio32 ROW0 0
genio33 ROW1 1
genio34 ROW2 2
genio35 ROW3 3
genio36 ROW4 4
genio37 COL0 5
genio38 COL1 6
genio39 COL2 7
genio40 COL3 8
genio41 COL4 9
genio47 COL5 10
GEN_CTRL_CMT(20:0)
genio23 Mail_LED_DR_EN 1
genio20 FM_Int 5
IRDA_CMT(2:0)
genio56 IRRX 0
genio57 IRTX 1
genio58 IRSD 2
TSI_CMT(2:0)
genio55 keyb_light_en 1
VIO VIO
R2852 3k3
R2853 3k3
FCI_CMT(3:0)
genio51 FCISCL 0
genio48 FCISDA 1
FCIINT 2
FCIPWREN 3
VIO VIO
R2850 3k3
R2851 3k3
I2C(1:0)
genio30 I2CSDA 1
genio31 I2CSCL 0
WLAN_CMT(7:0)
genio29 WLAN_IRQ 4
genio43 WLAN_SPI_DIN (HOST) 1
genio63 WLAN_SPI_DOUT (HOST) 0
genio72 WLAN_SPI_CLK 3
genio73 WLAN_SPI_CSX 2
genio54 WLAN_ResetX 5

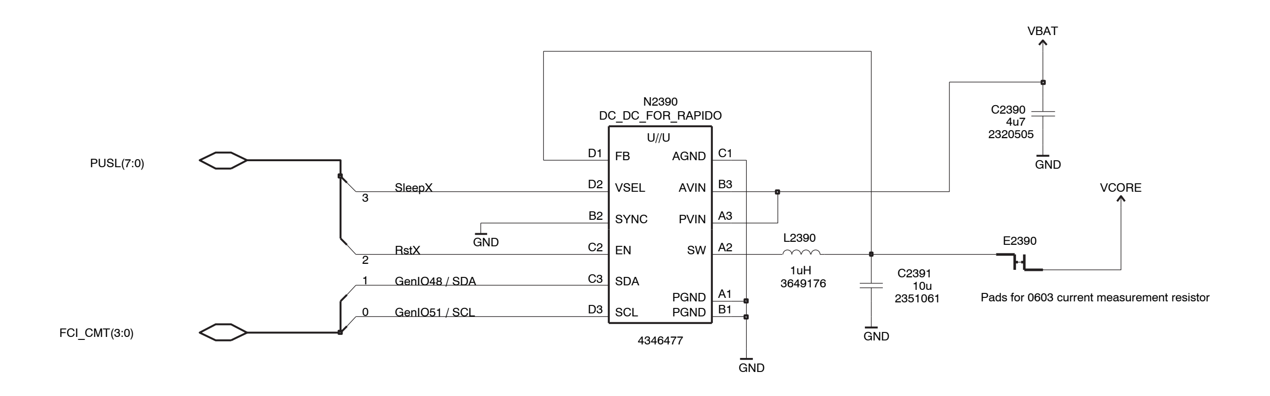

VILMA
avilma
DIG_AUDIO(5:0)
AUDIO(8:0)
XAUDIO(7:0)
H_BRIDGE(3:0)
ACI(1:0)
EMINT(1:0)
INT_SIM(5:0)
SIM(6:0)
TXC(2:0)
TXC_CONV(2:0)
PWRONX
USB_ACI(7:0)
SLOWAD(6:0)
PUSL(7:0)
CBUS(3:0)
CHSWSTAT
2200-2299
BETTY
betty
CBUS(3:0)
SLOWAD(6:0)
CHSWSTAT
PUSL(7:0)
EMINT(1:0)
CHARGER
INTUSB(8:0)
USB_ACI(7:0)
BETTYIO(3:0)
2300-2389
COREPS
dc_dc
FCI_CMT(3:0)
PUSL(7:0)
2390-2399


A2200
9500486
WLAN_BT_CAN
040-042408
GND

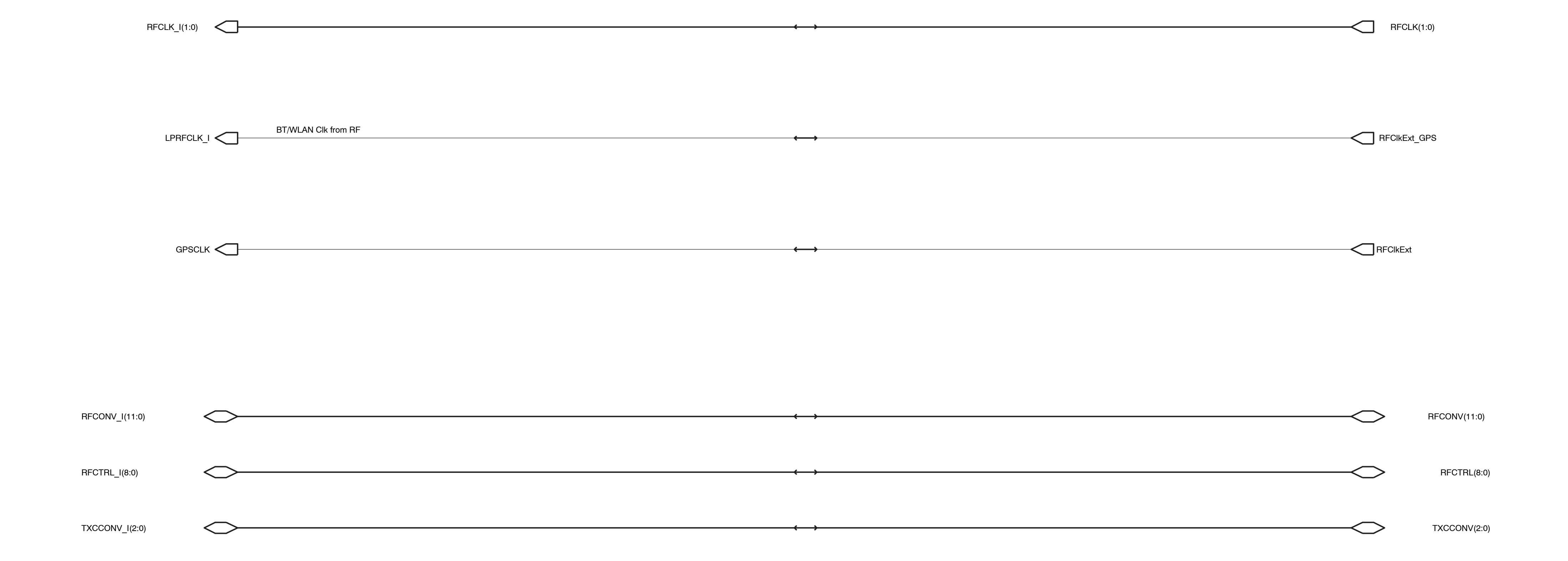

External SMPS for VIO & VDRAM
N2201
LM3677TLX-1.82_NOPB
N2200
AVILMA_1.05C
NOT IN USE
WATCHDOG ENABLE
C2231 between pins VBATH and GNDH
RTC BACUP CAPAC 311 SIZE FOR 2.6V 4UAH
Note: With SleepClk line should be used Near-End Star Cluster topology,
which means that every conponent has own branch so they are not chained.
It is very important these branches are equal lenght and the star point
(dividing point) is near Vilma

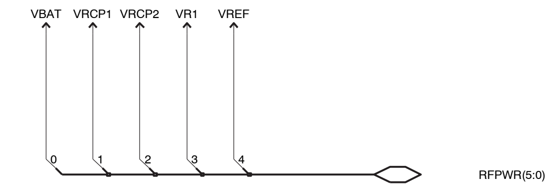


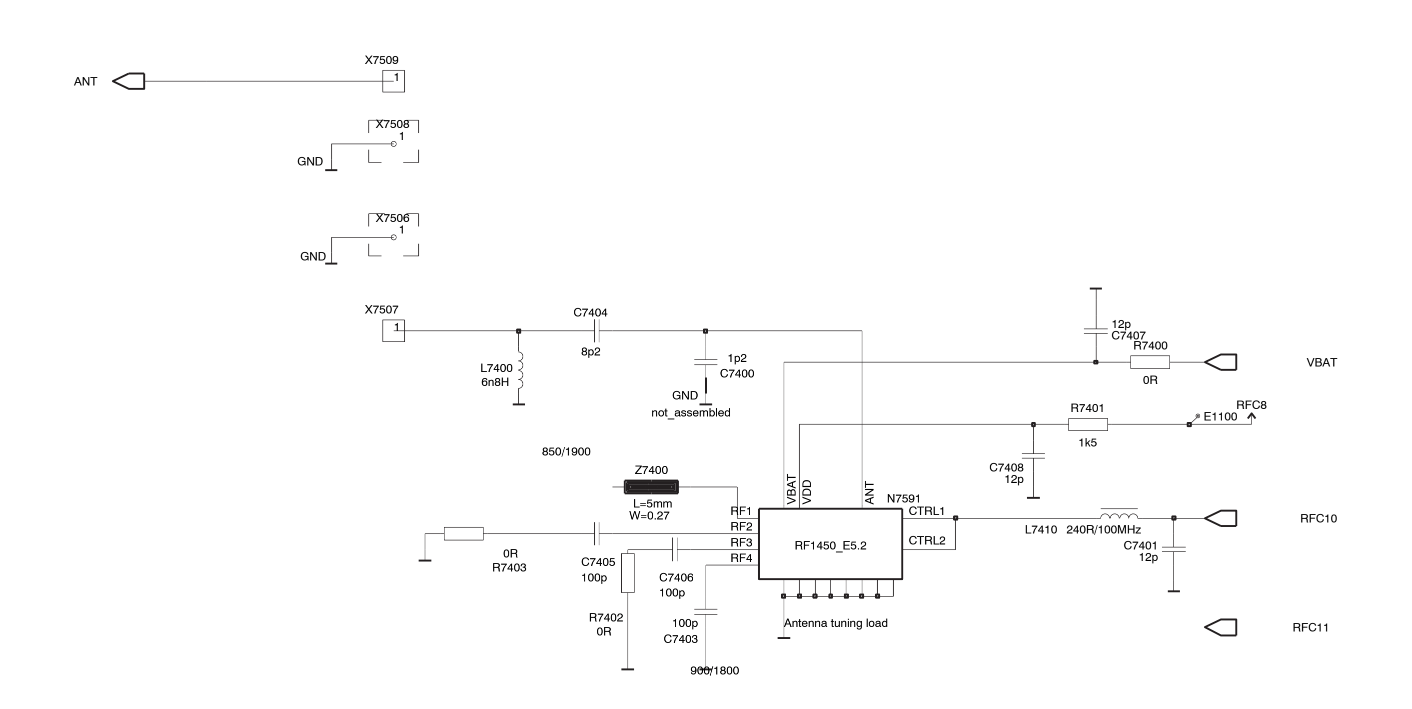
VBAT
C2300
100n
GND
BETTY VCore not in use
N2300
BETTY_V2.1_V2.2_LFA
VBAT1
VBAT1
VCoreCoil
VCoreCoil
VCore
GND1
GND1
VCharIn1
VCharIn2
VCharInK
VCharOut1
VCharOut2
VCharOutK
VCharADC
ChSwS
SMPSClk
GND4
VBAT3
GND3
LedCoil
LedCoil
SetCurr
LedOut
GND5
GND5
VOUT
SenseP
SenseM
VCC
Slave_PU
Master_PD1
Master_PD2
CLK
RXD2
DP_RXD
DM_TXD
VPP_VIO
VCCint
VIO
OEX
FSE0
VO
RCV_FRX2
VP_FRX
VM_CLK
FTX
SlaveSWSet
RstX
PurX
SleepX
BettyInt
CbusData
CbusSelX
CbusClk
VCoreDef
VcoreDis
FlashM
TestMode
TestOut
GenOut1
GenOut2
PWM300
Clk600
SleepClk
4376535
USB_ACI(7:0)
VPPLOCK
C2303
1u0
GND
VIO
C2304
10n
INTUSB(8:0)
PUSL(7:0)
EMINT(1:0)
J2302
CBUS(3:0)
VBAT
FLASHM
BETTYIO(3:0)
CHARGER
R2302
100R
V2303
MA21D34001JN
4111149
SLOWAD(6:0)
J2300
CHSWSTAT
J2301
J2308
PUSL(7:0)
C2307
1u0
VOUT
C2312
2x1u5
1 /2 1u5
2710203
SENSE CURRENT
1445345
PMR03EZPJU10L
R2300
BGND
CURRENT SENSE RESISTOR
VBUS
C2312
2x1u5
2 /2 1u5
2710203
LED Driver
VBAT
L2304
22uH
3649075
C2317
47p
N2301
BD6074GUT
J2309
EN
SW
VFB
TEST
VOUT
VIN
GNDA
GND
4341339
Control for LCD LEDs
SETCURR
R2303
33R
C2315
4u7
2351015
C2316
27p
C2314
4u7
2351015
39R
R2305
39R
R2306
PEMT1
V2300
LEDOUT1
LEDOUT2
To LCD LEDs
To Keyboard LEDs
R2303 for LED current tuning

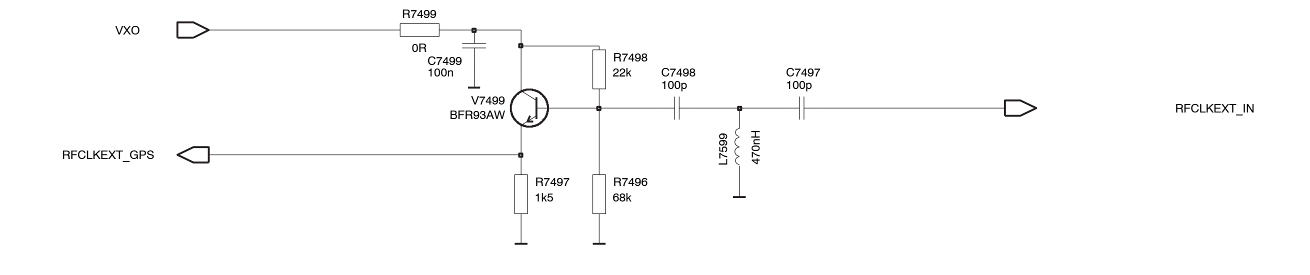


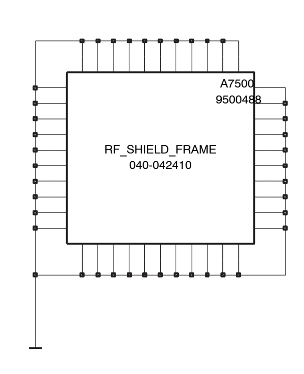
PUSL(7:0)
FCI_CMT(3:0)
SleepX
RstX
GenIO48 / SDA
GenIO51 / SCL
3
2
1
0
GND
N2390
DC_DC_FOR_RAPIDO
U//U
D1
FB
D2
VSEL
B2
SYNC
C2
EN
C3
SDA
D3
SCL
AGND
C1
AVIN
B3
PVIN
A3
SW
A2
PGND
A1
PGND
B1
4346477
GND
L2390
1uH
3649176
C2391
10u
2351061
GND
VBAT
C2390
4u7
2320505
GND
VCORE
E2390
Pads for 0603 current measurement resistor

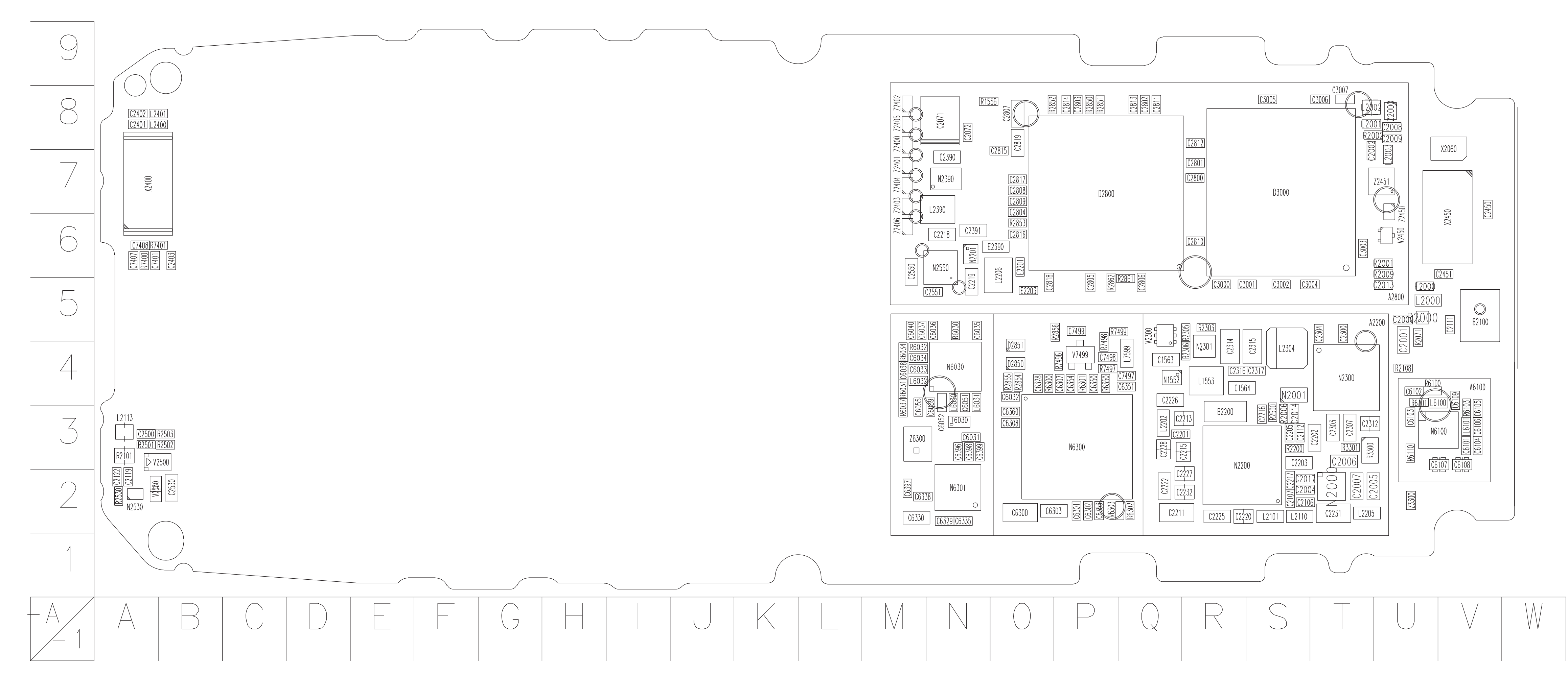

RFCLK_I(1:0)
RFCLK(1:0)
BT/WLAN Clk from RF
LPRFCLK_I
RFClkExt_GPS
GPSCLK
RFClkExt
RFCONV_I(11:0)
RFCONV(11:0)
RFCTRL_I(8:0)
RFCTRL(8:0)
TXCCONV_I(2:0)
TXCCONV(2:0)


VBAT
VRCP1
VRCP2
VR1
VREF
0
1
2
3
4
RFPWR(5:0)

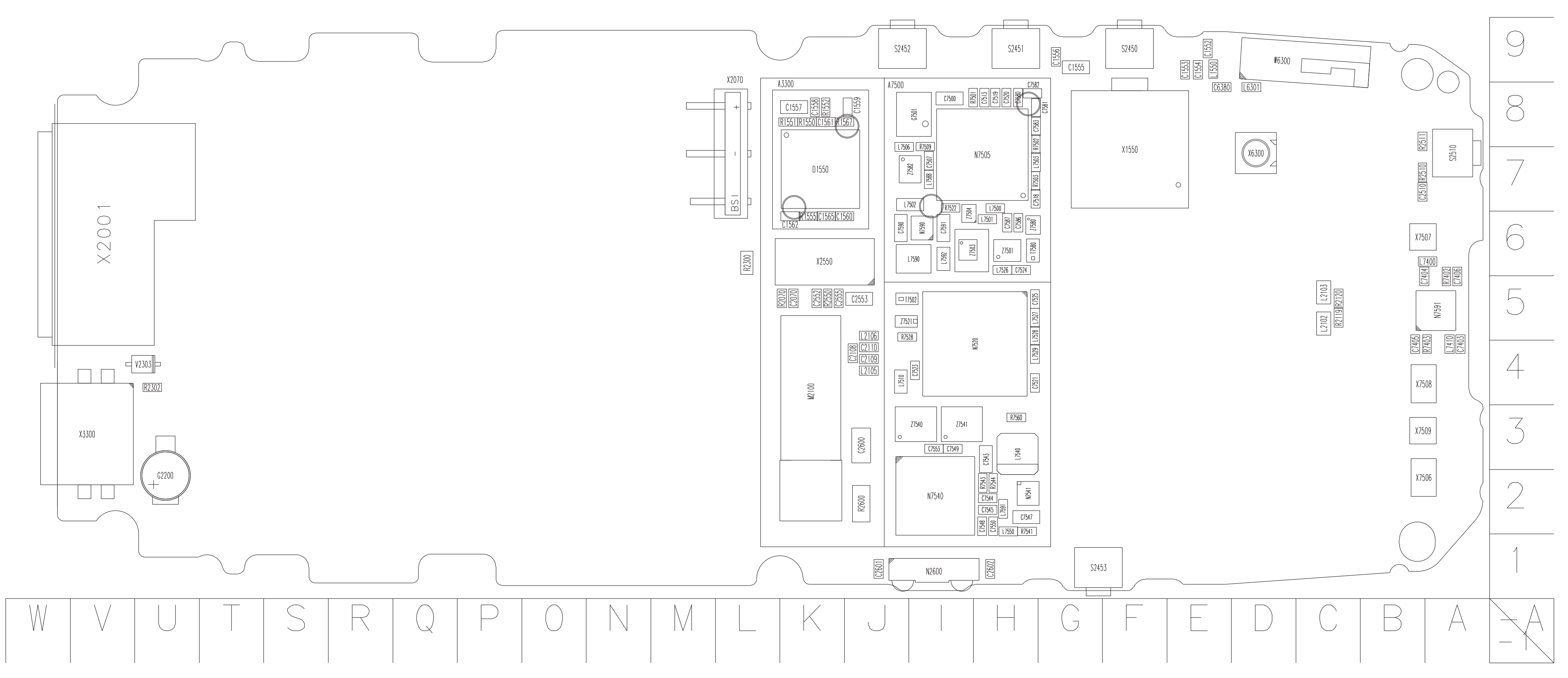

ANT
X7509
X7508
GND
X7506
GND
X7507
C7404
8p2
L7400
6n8H
1p2
C7400
GND
not_assembled
12p
C7407
R7400
0R
VBAT
R7401
1k5
E1100
RFC8
C7408
12p
850/1900
Z7400
L=5mm
W=0.27
VBAT
VDD
ANT
N7591
RF1
RF2
RF3
RF4
CTRL1
CTRL2
RF1450_E5.2
L7410
240R/100MHz
C7401
12p
RFC10
0R
R7403
C7405
100p
C7406
100p
R7402
0R
100p
C7403
900/1800
Antenna tuning load
RFC11


VXO
R7499
0R
C7499
100n
R7498
22k
C7498
100p
C7497
100p
V7499
BFR93AW
RFCLKEXT_IN
RFCLKEXT_GPS
R7497
1k5
R7496
68k
L7599
470nH


A7500
9500488
RF_SHIELD_FRAME
040-042410



2av_06a_asmdrw_t.pdf



2av_06a_asmdrw_b.pdf



2av_06a_tstdrw_b.pdf

2av_06a_tstdrw_t.pdf